



HARSHIT SHARMA, RA2011027030008

Course : **B.Tech**, CSE, 2024

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ACADEMIC DETAILS				
COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS X	Jagran Public School	CBSE	90.16 %	2018
CLASS XII in Applied Science	Jagran Public School	CBSE	78.68 %	2020
B.Tech in with specialization in Big Data Analytics	SRM Institute of Science and Technology - Modi Nagar Campus		8.89 CGPA	2024

Subjects / Electives	Operating Systems, Value Education, Programming for Problem Solving, Data Structures and Algorithms, Artificial Intelligence, Analog and Digital Electronics, Embedded System, Deep Learning, Computer Communications, Transforms and Boundary Value Problems, Compiler Design, Basic Electrical and Electronics Engineering, Economics, German, Database Management System, Probability and Queueing Theory, Design and Analysis of Algorithms, Object Oriented Design and Programming, General Aptitude, Data Science, Calculus and Linear Algebra, Biology, Advanced Calculus and Linear Algebra, Engineering Graphics and Design, Semiconductor Physics, Mathematics, Computer Organization and Architecture, Chemistry, Software Engineering and Project Management, Computer Networks, Advanced Programming Practices, Competitive Professional Skills, Formal Language and Automata, Management Principles for Engineers, Big Data Tools and Techniques, Machine Learning
Technical Proficiency	Power BI, Machine Learning, C++ Language, Python3, Data Science, SQL Database, Github, NumPy, C Programming, Oracle SQL Developer, Pandas, SciPy, OpenCV, Analyst, Data Analysis, WordPress, Tensorflow, Web Development, CSS3, HTML5, JavaScript, PHP, MATLAB, Engineering Drawings, MongoDB, ETL Tools, Hadoop, Matplotlib, Scikit-Learn, Analytical Skills, Reliability, Critical Thinking, Statistical Data Analysis, Presentation Skills

SUMMER INTERNSHIP / WORK EXPERIENCE	
<p>Web Developer, Vinnpro Web Solutions Pvt. Ltd. Sep 2022 - Nov 2022</p> <p>During my off-campus paid internship, I gained hands-on experience working on real-time web development projects. I successfully utilized HTML, CSS, JavaScript, and Wordpress, along with SQL databases, to create dynamic websites. Additionally, I took responsibility for hosting these websites on servers and ensuring their proper maintenance, catering to the specific requirements and expectations of clients. This experience heightened my proficiency in front-end and back-end technologies, as well as database management, reflecting my ability to deliver high-quality web solutions to meet client needs.</p>	
<p>Data Science, LetsGrowmore Sep 2021 - Oct 2021</p> <p>During this internship I have to develop prediction models using advanced techniques such as linear regression. By implementing these models in Python, I utilized various libraries to analyze and interpret the data effectively. Additionally, I gained experience in developing a classification model to accurately classify images, further highlighting my proficiency in machine learning and data analysis. This internship provided me with a solid foundation in using technical tools and methodologies to derive insights and practice my theoretical experience with hands on practice</p>	
<p>Data Analyst and Business Intelligence, The Sparks Foundation May 2021 - Jul 2021</p> <p>It was 3-month virtual internship which I successfully completed with the Sparks Foundation, honing skills in machine learning models including classification and prediction models. Cultivated practical experience and understanding of model functioning and operation. I collected, processed, and interpreted data to find useful insights and information. I used techniques like statistics, programming, and data visualization to analyze large sets of data and provide recommendations based on their findings.</p>	

PROJECTS	
<p>HR Analytics Dashboard using Power BI - Data Visualization Jun 2023 - Aug 2023</p> <p>I utilized Power BI to create visually appealing and interactive dashboards by gathering data from various sources and implemented data cleaning techniques to ensure accuracy. Using Power BI's advanced visualization capabilities, I transformed complex HR data into insightful visuals, allowing HR professionals to gain valuable insights into employee metrics, performance, and trends. I implemented measures and calculated columns to derive important HR metrics such as employee count, average age, and attrition. This involved using DAX (Data Analysis Expressions) formulas to perform calculations and aggregations on the dataset. The dashboard showcased my skills in data visualization, data cleaning, and data analysis. Overall, the HR Analytics Dashboard project demonstrated my ability to utilize Power BI to effectively analyze and present HR data for informed decision-making.</p> <p>Technical Skills: Power BI, data visualization, data cleaning, data analysis LINK: https://github.com/Harshit1123/PowerBI/blob/main/HR_Analytics/Summary.md</p>	
<p>Hand Gesture Controller (Virtual Mouse) - Artificial Intelligence and Computer Vision Aug 2023 - Oct 2023</p> <p>The system was developed using OpenCV, machine learning techniques, and Python programming language. By leveraging computer vision algorithms and machine learning models, this project utilized the movements of the hand to perform intuitive functions of a mouse, providing a hands-free and immersive control experience. My work on this project highlighted advanced features such as left and right-click, drag and drop, select, and control brightness and much more without using an external device.</p> <p>Technical Skills: Computer vision, machine learning, Python programming, and algorithm development.</p>	
<p>IMDB Movie Recommendation System - Machine Learning Sep 2022 - Sep 2022</p> <p>This project involves building an NLP-based recommendation engine for movies using machine learning techniques. By extracting key features from movie data, I developed a model that provides personalized movie suggestions to users based on their preferences and past interactions. The recommendation system utilizes natural language processing algorithms to analyze user reviews and match them with similar movies.</p> <p>Technical Skills: Machine learning, natural language processing (NLP), recommendation systems, data analysis Link:- https://github.com/Harshit1123/ML-Data_Science-Projects/blob/main/Movie%20Recommendation/Movie_Recommendation.ipynb</p>	

Stock Market Analysis - Machine Learning , Data Science

Sep 2022 - Sep 2022

In this project, I applied machine learning and data science techniques to analyze stock market data. By leveraging historical stock prices and relevant market indicators, I developed predictive models to forecast future stock prices and identify potential investment opportunities. Additionally, I conducted in-depth data analysis to uncover patterns and trends in the stock market.

Technical Skills: Machine learning, data science, data analysis, predictive modeling, stock market analysis

Link: https://github.com/Harshit1123/LGMVIP-DataScience/blob/main/Stock_Market_Prediction_And_Forecasting_Using_Stacked_LSTM.ipynb

Credit Card Fraud Detection - Machine Learning

Aug 2022 - Aug 2022

For this project, I built a machine-learning model to detect fraudulent credit card transactions. By employing advanced algorithms and techniques, I trained the model to accurately identify suspicious transactions and minimize false positives. The model utilizes historical transaction data and various features to detect patterns associated with fraudulent behavior.

Technical Skills: Machine learning, fraud detection, data analysis, classification algorithms

Link:- https://github.com/Harshit1123/ML-Data_Science-Projects/blob/main/Credit%20Card%20Fraud%20Detection/Credit_Card_Fraud_Detection.ipynb

My Personal Website - Web Development

Aug 2022 - Sep 2022

Using HTML, CSS, and JavaScript, I developed my personal website, which serves as a central hub to showcase my projects and provide a comprehensive overview of my skills and experiences. I implemented responsive design principles to ensure optimal user experience across different devices. Additionally, I incorporated links to my social media profiles, allowing visitors to connect with me on various platforms.

Technical Skills : HTML, CSS, JavaScript, responsive web design

Link:- https://harshit1123.github.io/My_Portfolio/

My Own Voice Assistant - Artificial Intelligence

Apr 2022 - Apr 2022

Drawing inspiration from popular virtual assistants like Alexa and Siri, I embarked on the development of my advanced AI-powered voice assistant. Utilizing pre-defined Google libraries and leveraging cutting-edge voice recognition technologies, I crafted a sophisticated voice assistant capable of executing a plethora of tasks solely through voice commands. With this project, I displayed my expertise in natural language processing (NLP), machine learning algorithms, and robust voice command processing systems. From searching for specific information to summarizing content, playing music or movies, and even retrieving date-related information, my voice assistant provides seamless control over the entire computer environment. This project serves as a testament to my technical prowess and ability to implement complex AI and NLP technologies in practical applications.

Voice Controlled Smart Lights - Computer Engineering

May 2022 - May 2022

This project demonstrates my adeptness in seamlessly integrating hardware components, employing advanced sensor technology, and implementing intricate voice recognition algorithms. By including sound sensors, relays, and an Arduino base board, I meticulously engineered a sophisticated system that enables hands-free control of lighting fixtures through intuitive voice commands. This innovative endeavor showcases my exceptional proficiency in hardware integration, sensor optimization, and the application of cutting-edge algorithms for accurate voice recognition. Through the successful execution of this project, I have showcased my comprehensive expertise in the field of Computer Engineering, emphasizing my capabilities in hardware design, intelligent sensor systems, and voice-activated automation.

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
The Joy of computing using Python	NPTEL	Through this course, I gained proficiency in Python programming, covering essential concepts such as variables, data types, conditionals, loops, functions, and file handling. Additionally, I learned about important data structures like lists, tuples, dictionaries, and sets, and their manipulation for data analysis. The course also emphasized algorithmic thinking and problem-solving, with practical assignments and coding exercises that provided hands-on experience. I successfully completed the course with a score of 90 out of 100, showcasing my competency in Python programming, algorithmic thinking, and problem-solving skills. I feel confident in my ability to apply these skills effectively in practical situations and to further enhance my knowledge in the field of computer programming.
Geo Data Sharing and Cyber Security	ISRO	The interdisciplinary course on Cyber Security and Cyber Defense of Critical Infrastructures and Geo-Data sharing equips working professionals from central and state governments with theoretical knowledge and practical skills to effectively manage cyber threats. It covers cyber security principles, secure data access, safe transactions, and online geo-data sharing, fostering technological safeguards for critical infrastructure protection.
Hack Summit 2.0	Aaruush	This certificate acknowledges my participation in an influential event for startups, entrepreneurs, and tech enthusiasts. The conference features segments like 'Bridging the Gap' to promote diversity in tech, 'StartUp Ecosystem,' and 'Cracking the Code' with workshops, presentations, and networking opportunities for investors.
CodeKaze	Coding Ninjas	I achieved an impressive rank of 3221 out of 15,000+ students in the prestigious CodeKaze 2022 competition. With a perfect score of 128 out of 128 points, I demonstrated exceptional skills and knowledge in the competition that fosters creativity and innovation.
Python and Machine Learning Bootcamp	Shape AI	The program covers topics such as linear regression, logistic regression, neural networks, decision trees, clustering, and deep learning. Participants learn through hands-on projects and interactive exercises that allow them to apply their knowledge in real-world scenarios.
What is Data Science Course	IBM	The Data Science course on IBM's Coursera platform is a comprehensive program covering the basics of machine learning, data mining, statistics, and data visualization. It offers practical examples and exercises, making it accessible to beginners.
Foundations of Data	Google	It is a beginner-level introduction to data science, covering essential topics such as statistics, data wrangling, visualization, and Python programming. Led by experienced data scientists, the course provides hands-on experience with real-world datasets to develop practical data analysis skills.
Manage Web Spams in Google Analytics	Coursera	In this course project we get to learn how to identify and manage web (referral and ghost) spam with filters in Google Analytics, filter internal traffic and clean past data of spam with segmentation with hands on project on google analytics account

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Computer Vision Bootcamp	AWS - Student Club	This program aims to equip participants with the skills to develop advanced computer vision solutions using AWS technologies. The goal of these bootcamps is to help individuals become fully proficient in computer vision development and to provide them with the skills to create cutting-edge solutions using AWS tools
HTML, CSS and JavaScript - Course	Udemy	The course offers in-depth lessons on HTML structure, CSS styling, JavaScript basics, DOM manipulation, JSON usage, and jQuery functionality. It is suitable for beginners and anyone interested in web development course can do this course
PHP and MYSQL course	YOUACCEL	It is a comprehensive training experience for individuals interested in web development. It covers topics such as MySQL database design and manipulation, PHP frameworks, and troubleshooting techniques. By integrating these technologies, students learn how to create dynamic web applications.
Hactoberfest	Digital Ocean	This global event, allows developers to contribute to open-source projects and demonstrate their abilities. I earned badges and rewards, showcasing my commitment to learning and contributing to the open-source community by committing more than 4 pull request in an organization.

POSITION OF RESPONSIBILITY	
Competitive Programming Lead - CodeChef SRMNCR Chapter -It is a programming club which is maintained by the official chapter leaders and mentored by CodeChef a competitive programming site. -Our team organizes events, meet-ups, and speaker sessions on campus to raise awareness, hosting various contests and competitions to facilitate learning and conducting programming workshops and doubt sessions for better learning. -This chapter helps students to generate awareness about the competitive platforms, their benefits.	Jul 2022 - Present
House Prefect - Jagran Public School I was the head of the house under which all the decisions of conducting the events, management, and other co-curricular activities of the house were taken and the prefects were only connected directly with the principal and school president.	Apr 2018 - Mar 2020

AWARDS AND RECOGNITIONS	
Hacktoberfest Digital Ocean This global event, allows developers to contribute to open-source projects and demonstrate their abilities. It features numerous local events worldwide, offering workshops, talks, and hackathons focused on cybersecurity, network security, and web development. Participants gain insights into a wide range of topics while engaging in collaborative and community-driven initiatives. By completing the challenge, I earned badges and rewards, showcasing my commitment to learning and contributing to the open-source community.	Oct 2021

COMPETITIONS	
Coding and Presentation This was inter school Coding and presentation competition in which I did a project on making a login page with some animations and database and secured a second place among 30+ schools	Jul, 2017

CONFERENCES AND WORKSHOPS	
Information Security Research Trends and Awareness Organized by: IIT Guwahati Date: Mar 2022 This workshop was organized by IIT Guwahati in SRM NCR Campus to know about Information Security and research trends.	
Introduction to Competitive Programming Organized by: CodeChef Date: Oct 2021 This workshop was organized by the CodeChef SRM NCR chapter and was hosted by me to teach all the members and participants about competitive programming, their use and ways to learn DSA.	

VOLUNTEER EXPERIENCE	
CodeChef - Role: Competitive Programming Lead Cause: Education This is a technical club that focuses on events, meet-ups, and speaker sessions on campus to raise awareness, hosting various contests and competitions to facilitate learning, and conducting programming workshops and doubt sessions for better learning. Being the CP lead I volunteered and helped students to generate awareness about the competitive platforms and their benefits and clear their doubts.	Jul 2022 - Present

PERSONAL DETAILS	
Date of birth: 21 July 2002	Father's name: Rupesh Sharma
Permanent address: 149 Duplex Sec 82, Noida, Gautam Buddha Nagar, Uttar Pradesh, PIN - 201304	Languages known: Hindi, English
Permanent contact number: 9891429599	Nationality: Indian
Passport availability: Yes	