



Sahilpreet Singh

Roll No.: B23CS1061

Bachelor of Technology

Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Indian Institute of Technology, Jodhpur	8.08 (Current)	Ongoing
Senior Secondary	Vivekananda World School (CBSE Board)	95.4%	2023
Secondary	D.C. Model International School (CBSE Board)	97.2%	2021

PROJECTS

- Cryptonix - Blockchain authentication with SHA-256 hashing.** Sept 24- Nov 24
React.js | Firebase | Blockchain | OpenSSL | POW Consensus [GitHub Link]
 - Developed a blockchain-based full-stack web application using C++, JavaScript, Node.js, implementing core blockchain components including transaction signing, Merkle tree construction, and proof-of-work consensus.
 - Ensured secure user authentication, cryptographic signing, and robust data integrity with SHA-256 hashing.
- Sentiment Scan - Fact-checking app using ML for sentiment analysis.** Jan 25 - Mar 25
Python | Machine Learning | Naive Bayes | SVM | Random Forest [GitHub Link]
 - Developed a fact-checking platform deployed on GCP, processing 100+ articles/day with 92% accuracy using traditional ML models like Naive Bayes, SVM, and Random Forest.
 - Implemented a stacked ensemble model where outputs from SVM, ANN, and Decision Tree each output vector of size 1×9 were vectorized into a 1×27 feature vector and fed again into a secondary ANN, improving sentiment prediction accuracy by combining multiple model insights.
- RideWise - Smart Transport and Carpooling System** Jan 25 - Mar 25
React Native | Node.js | Firebase | Google Maps API | Realtime Databases [GitHub Link]
 - Built a single-stop mobile platform for 2 roles, each of driver and user supporting 50+ daily ride bookings and real-time price comparison across 3+ transport providers using web scraping.
 - Implemented real-time ride tracking, multi-service price comparison, and Google Maps integration for route visualization. Used Firebase for secure authentication and WebSockets for low-latency updates between drivers and users. Also added a dedicated feedback page for users.

RELEVANT COURSEWORK

- CSE:** Object Oriented Programming in C++, Data Structures & Algorithms, Software Engineering, Pattern Recognition & Machine Learning, Human Machine Interaction
- Maths:** Linear Algebra, Multivariable Calculus, Maths for Computing, Probability, Statistics & Stochastic Processes

SKILLS

- Languages:-** C, C++, Python, JavaScript, Java, Bash, Angular, Rust
- Frameworks:-** Springboot, React.js, Node.js, Express, React Native, Docker, Redis, Kafka, LangChain
- Technical Skills:-** Data Structures and Algorithms, Web Development, OOPs, Web3 & Blockchain, LLM Evaluation, Scalable Systems, In-Memory Databases.
- Clouds & Databases:-** Firebase, Google Cloud Platform, Mongo DB, AWS
- Coding Profiles:** LeetCode CODECHEF CODEFORCES

ACHIEVEMENTS

- INMO Qualified:** Attended INMO Camp 21' (A National Mathematics Olympiad) 2021
- JEE Advanced:** Secured AIR 5316 among 150,000+ candidates 2023
- JEE Mains:** Secured AIR 6366 among 1M+ candidates 2023
- NTSE Stage-1:** Qualified National Talent Search Exam with state rank of 102 2021

POSITIONS OF RESPONSIBILITY

- Overall Head -** Homecoming, An event with footfall of 3000+ people. Sep 2024 - Oct 2024
- Executive -** CSE Department, IIT Jodhpur, Guided 150+ junior students from CSE Dept. Oct 2024 - April 2025