

HARSH JAIN

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering, CGPA: 8.77

Bhopal, India

Nov 2022 – Present

TECHNICAL SKILLS

Languages: Python, Java(DSA), JavaScript (ES6), SQL

AI/ML: Matplotlib, PyTorch, Scikit-learn, numpy, Pandas, MediaPipe, opencv

Web/Backend: React.js, Gemini API, REST APIs, Spring Boot

Cloud & DevOps: Amazon Web Services (EC2, S3, Lambda, DynamoDB, CloudFront), Docker, Git, GitHub, CI/CD

PROJECTS

Hand Recognition System | MediaPipe, OpenCV, NumPy

Jan 2025

- Built a real-time hand gesture recognition system in Python
- Utilized MediaPipe for high-fidelity hand tracking and landmark detection
- Applied OpenCV for image processing and rendering results on the video feed

AI ChatBot Application | Spring Boot, WebClient, React, Gemini API

Oct 2025

- Developed a conversational AI chatbot using the Gemini API
- Implemented a Python backend (Flask) to handle API requests and manage conversation state
- Designed a simple web interface to interact with the bot

Exploratory Data Analysis | Pandas, Kaggle

Aug 2024

- Performed in-depth data analysis on school and classroom datasets. data preprocessing techniques like value imputation, Z-Score standardization, and data visualization
- Used Pandas for data cleaning, Demonstrates unsupervised learning algorithms for clustering (K-Means) and association rule mining (Apriori)
- data preprocessing techniques like value imputation, Z-Score standardization, and data visualization

CERTIFICATIONS

AI/ML for Geodata Analysis — ISRO (Jun 2024)

AWS Certified Cloud Practitioner — Amazon Web Services (Jan 2025)

Salesforce Certified Agentforce Specialist — Salesforce (Sept 2025)

EXPERIENCE

Python Developer Intern

Oct 2025 – present

Infosys

Remote

- Contributed to the development and maintenance of scalable backend services and RESTful APIs using Python. Gained hands-on experience across the entire SDLC, including CI/CD pipelines, code reviews, debugging, and production deployments.

CO-CURRICULAR ACTIVITIES

Amazon ML Challenge 2025: Achieved a Top 150 rank among thousands of participants.

PEARS Global Hackathon 2025: Ranked in the Top 8 among 400+ international teams

Hacktoberfest 2025: open source contribution "Implement interactive custom cursor for enhanced UI engagement"

Industry Conclave 2024: Placed as a Top 10 Finalist out of 500+ university-wide projects

India Space Lab Examination: Secured All India Rank (AIR) 452 and selected for internship

Competitive Programming: strong grasp of CS fundamentals and contest rating LeetCode (1469) and Codeforces (630)

RESEARCH & PUBLICATIONS

5th International Conference on Scientific Research & Innovation Khazar University, Baku, Azerbaijan:

Healthcare Data Management Using Blockchain Technology, presented research on blockchain-based solutions for secure healthcare data management, proposed architecture combining IPFS for storage and Ethereum smart contracts for access control

EXTRA-CURRICULAR & LEADERSHIP

Team Leader, CyberWarriors Club, VIT Bhopal: Led over 4 cybersecurity events and workshops across 3 semesters, engaging more than 500 students and boosting club participation by 40%