# HARSH JAIN

+91-9423244919 | jainharsh2929@gmail.com | linkedin.com/in/harsh-m-jain | github.com/Harshjain10020

## EDUCATION

**Vellore Institute of Technology**                                                          Bhopal, India
*Bachelor of Technology in Computer Science (EdTech Specialization), CGPA: 8.77*          *Nov 2022 – Present*

## TECHNICAL SKILLS

**Languages**: Python (Advanced), SQL, Java (DSA), JavaScript (ES6)
**Python Frameworks**: FastAPI, Flask, PyTorch, Pandas, Scikit-learn, OpenCV
**AI & GenAI**: LLaMA 3.1, Groq API, MediaPipe, Prompt Engineering, Agentic Workflows
**Cloud & Tools**: AWS (Lambda, EC2), Docker, Git, Linux, Postman

## EXPERIENCE

**Python Developer Intern**                                                              Oct 2025 – Present
*Infosys Springboard*                                                                            *Remote*
- Architected an **AI-driven quiz engine** using **Python** and **FastAPI**, automating the generation of subject-specific assessments.
- Engineered robust API endpoints to handle concurrent user requests and integrated with a React frontend.
- Optimized backend performance by implementing efficient data validation logic and database indexing.

**Salesforce Developer Intern**                                                         May 2025 – Jul 2025
*TheSmartBridge*                                                                                 *Remote*
- Automated enterprise workflows using Salesforce automation tools, reducing manual data entry tasks by **90%**.
- Developed custom logic to streamline customer loyalty tracking and inventory alerts.

## PROJECTS

**AI Email Productivity Agent** | *Python, FastAPI, LLaMA 3.1, Groq*                          Sep 2025
- Developed a production-ready AI agent using **Python (FastAPI)** to automate email categorization and drafting.
- Integrated **Groq** inference engine with **LLaMA 3.1** to achieve sub-second response latency for real-time user interaction.
- Containerized the application using **Docker** and deployed it on **Railway**, handling CORS and environment security.

**Invoice Quality Control Service** | *Python, Regex, Docker, Pydantic*                       Sep 2025
- Built a B2B backend service using **Python** to extract structured financial data from complex PDF invoices.
- Engineered robust **Regex heuristics** to handle dynamic vendor formats (e.g., German currency), achieving **95% accuracy**.
- Implemented rigorous data validation using **Pydantic** models to flag anomalies automatically.

**Hand Recognition System** | *Python, MediaPipe, OpenCV*                                     Jan 2025
- Developed a real-time computer vision system in **Python** for tracking hand landmarks and gestures.
- Utilized **MediaPipe** for high-fidelity 21-point 3D landmark detection and **OpenCV** for frame processing.
- Optimized inference performance to run smoothly on standard CPU hardware.

## 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)

## ACHIEVEMENTS & LEADERSHIP

**Global Hackathon Finalist:** Ranked **Top 8** (out of 400+ teams) at **PEARS Global Hackathon 2025** for building a distributed system.
**Security Research:** Acknowledged by **NCIIPC** for reporting critical security vulnerabilities in an Indian government app.
**Club Lead:** Led **CyberWarriors Club** (500+ students), organizing 4+ workshops and boosting participation by **40%**.
**Open Source:** Contributed UI enhancements to active repositories during **Hacktoberfest 2025**.