

DEVANSHU JAIN

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EDUCATION

National Institute of Technology, Kurukshetra

B.Tech + M.Tech Dual Degree, Computer Science & Engineering | **8.96/10**

Kurukshetra

2024 – 2029

SKILLS

Languages: C, C++, Java, JavaScript, Python, Bash, SQL

Systems: Distributed Systems, Concurrency, Multi-threading, Synchronization, System Design, Operating Systems, Computer Networks

Fundamentals: Data Structures & Algorithms, Software Design, OOP, DBMS, REST APIs, Probability & Statistics

Libraries / Frameworks: FastAPI, React.js, Flask, NumPy, Pandas, Artificial Intelligence, Generative AI, Machine Learning, Computer Vision

Databases & Tools: MongoDB, MySQL, Git, VS Code, n8n, WhatsApp Business API, Jupyter Notebook, Render, Vercel

Soft Skills: Problem Solving, Project Management, Teamwork, Communication, Adaptability, Leadership

AWARDS & ACHIEVEMENTS

- Ranked Top 12 nationally (2-member team) among 600+ teams in Zentiti National Hackathon, Synersis Group
- Runner-Up: HackShetra 25, Flagship Hackathon of NIT Kurukshetra among 150+ participating teams
- Competitive Programming: LeetCode Max Rating 1720+; solved 900+ DSA & CP problems; 100+ contests; 450+ day active streak
- AIR 1499: ICPC Amritapuri Regional Contest 2025

PROJECTS

Sunstone | AI-Enabled IoT SOS Emergency System - [GitHub](#) | Python, Flask, Isolation Forest, IoT

Sensors, Twilio API, Google Maps API, REST APIs, JavaScript

- Developed an IoT-based emergency response system enabling one-press SOS alerts from wearable devices for women's and elderly safety.
- Built a Flask backend processing concurrent multi-sensor IoT data streams, synchronizing alert delivery across Twilio and Google Maps APIs to notify emergency responders in real time.
- Implemented an anomaly detection pipeline on sensor data using Isolation Forest and built a real-time caregiver visualization dashboard; manuscript in preparation, Dept. of CSE, NIT Kurukshetra, 2025.

Rasoi | Smart Mess Management System (PWA) - [GitHub](#) | Node.js, Express, MongoDB, React,

PWA, Render, Vercel, CI/CD

- Developed a Progressive Web App (PWA) to digitize hostel mess operations including meal feedback, attendance tracking, and billing updates.
- Designed and implemented end-to-end production system -RESTful APIs in Node.js and MongoDB with optimized indexing and concurrent request handling, supporting 400+ hostel residents.
- Implemented automated CI/CD pipelines with systems architecture designed for scalable production deployment on Render and Vercel.

HealthMitra | AI-Powered WhatsApp Healthcare Agent - [GitHub](#) | n8n, WhatsApp Business API,

Node.js, AI/NLP

- Built an AI-integrated WhatsApp healthcare agent automating vaccination reminders, nutrition screening, and outbreak alerts for rural and low-literacy users.
- Designed event-driven asynchronous workflows using n8n with concurrent session handling, scheduling, conditional routing, and escalation mechanisms.
- Enabled multilingual voice-first interaction delivering zero-app healthcare access across low-connectivity regions.

POSITIONS OF RESPONSIBILITY

Alumni Cell, NIT Kurukshetra

Jan. 2026 – Present

Relations & Outreach Team Member

- Organized NIT Kurukshetra's first global alumni meet, connecting 500+ alumni.