

Akshat Garg

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SUMMARY

Third-year CSE student building AI, IoT, and full-stack systems that turn real-world data into actions. Projects span ML (TensorFlow, OpenCV), device telemetry, and cloud backends that improve safety, health, and agriculture. Strong in Python, Java, C++, JS (React, Node); comfortable with Linux, Git, Docker, and databases. Multilingual: English, Hindi, basic Japanese. Seeking roles where end-to-end product thinking and fast execution matter.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript/TypeScript

Web/Cloud: React, Node, Express, FastAPI, HTML/CSS, REST, Firebase, MongoDB, SQL

ML/Tools: TensorFlow, Keras, scikit-learn, OpenCV, Pandas; Git, Docker, Linux

PROJECTS

AgriSense – Smart Farming System

Apr 2025

IoT & ML

ESP32, React, Node, MongoDB, Python

Deployed sensor nodes (soil moisture, temp, humidity) streaming to a Node.js hub and React dashboard; ML models forecast irrigation and crop health, cutting expected losses by ~20% via proactive alerts.

ThermoSense – Cross-Platform Sensor Dashboard

Jul 2025

Device Telemetry & Predictive Analytics

FastAPI, React, Docker, Random Forest

Captured OS-level battery/CPU thermal metrics on macOS/Windows; FastAPI pipelines and RF model forecast battery health (~90% acc.) enabling early thermal throttling guidance.

ShaktiPath – Women Safety Navigation

May 2025

Safe Route Scoring & SOS

React (TS), Supabase, Leaflet, Maps APIs

Ranks routes on lighting, CCTV, police proximity, crowd density, and risk hotspots; live GPS and one-tap SOS notify trusted contacts.

IntelliQRHelp – Smart Emergency Response

Jan 2025 – Feb 2025

Health Hackathon

React, Firebase, QR API, ESP8266, Telegram Bot

QR codes reveal critical medical data (blood group, allergies) to responders; Telegram bot & IoT SOS button dispatch instant alerts to contacts and hospitals, minimizing handover time.

EDUCATION

VIT Bhopal University

Bhopal, M.P., India

B.Tech in Computer Science and Engineering (CGPA: 8.42/10)

Aug 2021 – May 2027 (Expected)

St. Luke's Sr. Sec. School

Solan, Himachal Pradesh, India

Class XII (CBSE): 83%

2023

St. Luke's Sr. Sec. School

Solan, Himachal Pradesh, India

Class X (CBSE): 90.17%

2021

CERTIFICATIONS

Oracle Certified Java Foundations Associate.

NPTEL – Introduction to Machine Learning (12-week).

Postman API Fundamentals Student Expert.

Google – Bits and Bytes of Computer Networking (Coursera).

TechBairn Full-Stack Web Development (Bronze).

HackerRank SQL (Basic).

Apna College DSA – Alpha (Java); PW Skills Decode DSA with C++.