

Ayush Kumar

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SUMMARY

Computer Science undergraduate (B.Tech CSE, **CGPA: 9.16**) building full-stack **MERN** and AI-driven applications. Projects include CNN-based plant disease detection (~92% test accuracy) and a GenAI-assisted finance tool processing 1000+ transactions, deployed with cloud, containers, and CI/CD.

EDUCATION

KIIT University <i>Bachelor of Technology in Computer Science — CGPA: 9.16/10</i> <ul style="list-style-type: none">Awarded KIITEE Merit Scholarship for securing All India Rank #163	Expected May 2027
Shivam Convent <i>CBSE Class XII — Aggregate: 88.6%</i>	2022
Open Minds A Birla School <i>CBSE Class X — Aggregate: 96.4%</i>	2020

TECHNICAL SKILLS

- **Programming:** JavaScript (ES6+), Python, C++, Java
- **Web & Backend:** React, Node.js, Express.js, REST APIs, MongoDB, HTML, CSS
- **AI/ML:** CNNs, Computer Vision, Generative AI (LLM chatbots), classical machine learning
- **Cloud & DevOps:** Oracle Cloud (OCI), Docker, Kubernetes, CI/CD pipelines
- **Tools:** Git, GitHub, VS Code
- **Certifications:** OCI 2025 DevOps Professional; OCI 2025 Generative AI Professional

PROJECTS

Cash-Compass <i>MERN, Python, GenAI, ML</i> GitHub	Dec 2025 – Present
<ul style="list-style-type: none">• Built a personal finance platform to track 1000+ transactions, define savings goals, and send real-time budget alerts in a MERN-based dashboard• Added JWT auth, bulk CSV import, analytics dashboards, and a Python-based GenAI assistant that summarizes spending and suggests optimizations	
Vriddhi <i>MERN, Node.js, MongoDB, ML, CV</i> GitHub	Jan 2026 – Present
<ul style="list-style-type: none">• Built an agricultural assistance platform with MERN for disease detection and advisory flows for crop health• Trained and integrated a CNN on leaf images, achieving ~92% test accuracy and serving predictions via a web API	
Layered <i>FastAPI, React, TypeScript, MongoDB, Graph Analysis</i> GitHub Live	Feb 2026 – Present
<ul style="list-style-type: none">• Built an architecture drift detection platform that analyzes codebases to infer layers and detect dependency violations over time• Implemented immutable architectural snapshots, interactive dependency graphs, and AI-assisted explanations for violations	
FailSense <i>Next.js, Groq Llama 3.3, AI</i> GitHub Live	Jan 2026 – Present
<ul style="list-style-type: none">• Built an AI-powered debugging assistant that analyzes error logs and generates ranked fix suggestions• Added search, tagging, historical analysis tracking, and exportable reports to improve debugging workflows	

EXPERIENCE

Drone Development Project – Team Lead <i>Open Minds A Birla School</i>	Sep 2020 – May 2021 <i>Patna, India</i>
<ul style="list-style-type: none">• Led a team of 4 to design, assemble, and program a quadcopter using microcontrollers, brushless motors, and IMU sensors• Achieved ~95% functional reliability in test flights and secured 1st place among 15+ teams in the school science fair	

ACHIEVEMENTS

- Finalist at **Mumbai Hacks 2025** (national-level hackathon) for an AI-driven application built in 36 hours
- **KIITEE Merit Scholar** (All India Rank #163) awarded by KIIT University
- **1st Place** in school science fair for drone development project (15+ teams)