

## Education

<b>Vellore Institute of Technology, Bhopal</b> <i>Bachelor of Technology in Computer Science</i>	<b>CGPA: 8.40</b> 2022 – 2026
<b>D.A.V Public School, Bariatu, Ranchi</b> <i>Grade 12 (CBSE)</i>	<b>88.8%</b> 2021
<b>Surendranath Centenary School, Ranchi</b> <i>Grade 10 (CBSE)</i>	<b>96%</b> 2019

## Technical Skills

- Backend (Primary):** Java, Spring Boot, Spring Security, REST APIs, Microservices, Maven, Kafka  
**Cloud & DevOps:** AWS (SNS, S3, Lambda), Docker, Kubernetes, Git, CI/CD, Linux  
**AI & Automation:** Python, FastAPI, YOLOv8, LLM Integration (OpenAI, DeepSeek), RAG, GraphRAG, n8n  
**Full Stack:** MERN Stack, React.js, Node.js, Express.js  
**Databases:** PostgreSQL, MySQL, MongoDB

## Projects

<b>Disaster Management &amp; Alert System</b>   <i>Java, Spring Boot, REST APIs, AWS SNS/S3, n8n</i>	Ongoing
– Architecting a multi-agency disaster coordination platform projected to handle <b>10,000+</b> incident reports/month.	
– Designed Spring Boot microservices for ingestion, validation, and priority scoring, improving triage speed by <b>35%</b> .	
– Automated real-time SMS and Email alerts using AWS SNS, reducing notification latency from minutes to seconds.	
– <b>GitHub:</b> Disaster Management	
<b>NEO-PIGGY — AI-Powered Expense Tracker</b>   <i>Java, Spring Boot, REST APIs, Machine Learning</i>	2025
– Engineered an AI-driven personal finance platform used by <b>50+ test users</b> for automated expense tracking.	
– Trained a machine learning model achieving <b>92% accuracy</b> in expense classification across three user personas.	
– Developed Spring Boot microservices for expense analytics, improving computation throughput by <b>30%</b> .	
– <b>GitHub:</b> NEO-PIGGY	
<b>AI-Powered Garbage Detection System</b>   <i>MERN, REST APIs, YOLOv8, n8n</i>	
– Implemented a YOLOv8-based verification pipeline reducing false garbage reports by <b>45%</b> .	
– Automated complaint workflows, cutting processing time from <b>24 hours to under 4 hours</b> .	
– Enabled full lifecycle tracking, allowing authorities to close <b>100% of verified reports</b> faster.	
– <b>GitHub:</b> Garbage Redressal	

## Certifications

<b>IBM Adroit Gen-AI</b> <i>Hands-on training in Generative AI, LLM workflows, and prompt engineering</i>	2025
<b>SmartBridge MERN Full Stack</b> <i>Full-stack development using React, Node.js, Express, and MongoDB</i>	2025

## Extra-curriculars

<b>Tech Team, Sports Fest</b>	
– Orchestrated scoring automation for <b>1000+ participants</b> , increasing process speed by <b>35%</b> .	
<b>OWASP Club — Outreach Lead</b>	
– Led outreach and operations for a CTF event with <b>70+ participants</b> .	
<b>GTA 5 Custom Multiplayer Server</b>	
– Managed a custom automation server for <b>40,000+ registered players</b> .	