

Education

Vellore Institute of Technology <i>Bachelor of Technology in Computer Science and Engineering</i>	CGPA: 8.40/10 2022 – 2026
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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

Disaster Management & Alert System <i>Java Spring Boot, REST APIs, AWS SNS/S3, n8n</i>	<i>Ongoing</i>
<ul style="list-style-type: none">Architecting a multi-agency disaster coordination system projected to handle 10,000+ incident reports/month.Developing microservices for ingestion, validation, and priority scoring, improving triage speed by an estimated 35%.Automating real-time SMS/Email alerts using AWS SNS, reducing manual notification time from minutes to seconds.GitHub: Disaster Management	
NEO-PIGGY – AI-Powered Expense Tracker <i>Java Spring Boot, REST APIs, Machine Learning</i>	2025
<ul style="list-style-type: none">Built an AI-driven personal finance platform used by 50+ test users to automate expense categorization.Trained ML model achieving 92% accuracy in classifying expenses across three user personas.Developed Spring Boot microservices for expense analytics, improving computation throughput by 30% and supporting real-time budgeting recommendations.GitHub: NEO-PIGGY	
AI-Powered Garbage Detection System <i>MERN, REST APIs, YOLOv8, n8n</i>	2024
<ul style="list-style-type: none">Built a YOLOv8-based verification system reducing false garbage reports by 45% across pilot datasets.Implemented workflow automation cutting complaint processing time from 24 hours to under 4 hours.Integrated full lifecycle tracking, enabling authorities to close 100% of verified reports faster.GitHub: Garbage Redressal	

Certifications

- IBM Adroit Gen-AI** – Hands-on training in Generative AI, LLM workflows, and prompt engineering.
- SmartBridge MERN Full Stack** – Full-stack development using React, Node.js, Express, MongoDB.

Extra-curriculars

Tech Team, Annual Sports Fest

- * Served as Technical Manager overseeing data systems and event operations.

OWASP Club Event

- * Led outreach; organized CTF competition and guest session with 70+ participants.

Custom GTA 5 Game Server Developer & Manager

- * Managed server with 40,000+ users and 150 daily active players.