Gowshika M

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GitHub | LinkedIn | Portfolio

Education

Vellore Institute of Technology — Chennai, India
B.Tech in Computer Science Engineering — *Expected June 2027*
Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, SQL
CS Fundamentals: Data Structures & Algorithms, OOP (Inheritance, Polymorphism, Abstraction, Encapsulation), DBMS, Operating Systems, Computer Networks
AI/ML & Data: Scikit-learn, XGBoost, SHAP, Pandas, OpenAI API (LLM integration), Excel/Tableau/Power BI (basics)
Backend: Spring Boot (certified), FastAPI, Node.js, Express.js, REST APIs
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS
Databases: PostgreSQL (incl. Supabase, Row Level Security), MySQL, MongoDB, SQLite
Tools & Cloud: Git, GitHub, Docker, Postman, Vercel, Supabase

Experience

Android App Developer Intern — May 2025 – Aug 2025
Imarticus Learning — *Chennai, India*
- Developed and tested an Android application using Android Studio, implementing application UI, core functionality, and debugging across build/test cycles.

Projects

LegacyLens AI | *FastAPI, PostgreSQL, SQLAlchemy, React, TypeScript* — 2026
- Owned design and delivery of a full-stack code-risk intelligence platform: React/TypeScript frontend and FastAPI backend across 14 REST endpoints and 3 PostgreSQL tables.
- Built a modular risk-scoring engine (Fear Score v2/v3) combining weighted signals into one metric; validated end-to-end against public repos including pallets/itsdangerous.

DevConnect AI | *Next.js, TypeScript, Node.js, Express, Prisma, OpenAI API, Judge0* — 2025
- Built a full-stack AI hiring platform with role-based authentication, covering schema design, development, testing, and deployment (Vercel/Render/Supabase); integrated the OpenAI API and Judge0 for LLM-based evaluation and live code execution.
- Designed a token-similarity algorithm (data structures & string processing) for plagiarism detection at an 80% threshold.

CreatorOps | *Next.js 16, TypeScript, Tailwind CSS, Supabase (PostgreSQL, Auth), Vercel* — 2026
- Built and deployed a cloud-based SaaS for marketing content planning and approval on a relational PostgreSQL schema (Supabase), live on Vercel.
- Implemented role-based access control for four roles (admin, manager, creator, client) using Supabase Auth and Row Level Security, with client data isolation enforced at the database layer.
- Integrated Instagram account linking via Meta for Developers (Instagram Graph API) and added AI-powered features through LLM API integration.

HoneyShield AI | *Isolation Forest, GRU Autoencoder, XGBoost, SHAP, Streamlit* — 2026
- Built an explainable behavioral anomaly detection system (Isolation Forest, GRU autoencoder, XGBoost) reaching 91.53% attack classification accuracy and a 0.8066 AUPRC; used SHAP to explain each prediction. Honeywell hackathon finalist.

Certifications

Android App Development

Advanced Software Engineering Job Simulation

Spring Boot & REST API Development

SQL & Database Management Systems