ANGAD MUTHYALA

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SUMMARY

Self-driven Computer Science undergraduate (B.E. '26) with strong foundations in backend systems, AI pipelines, and data-centric applications. Built production-style tools combining ML, scalable APIs, and real-time systems. Eager to deliver intelligent software solutions in SE, ML, or Data Science roles.

TECHNICAL SKILLS

Languages: Python, Golang, C++
Frameworks/Tools: Flask, FastAPI, React.js, Node.js, PyTorch, Scikit-learn, Git
Databases: Elasticsearch, PostgreSQL, MongoDB, MySQL
Other: WebSockets, Tailwind CSS, ChromaDB, SendGrid, GeoPy, Linux, REST APIs

PROJECTS

Newsletter Agent – *Automated AI Newsletter Generator [GitHub]*
• Built an AI-powered agent that scrapes, summarizes, and distributes tech updates from Stack Overflow.
• Integrated **LangGraph** for control flow, **ChromaDB** for vector indexing, and **SendGrid** for seamless email dispatch.

AI-Based Security Log Analyzer – *Real-Time Threat Detection Engine [GitHub]*
• Designed an open-source tool to ingest and analyze server logs for anomaly detection and threat classification.
• Leveraged **Scikit-learn** models for ML-based detection, with **FastAPI** for API delivery and **Elasticsearch** as the storage/query layer.
• Implemented **WebSocket**-based live log updates and a fully responsive **React + Tailwind** dashboard.

Virtual Sanctuary – *Location-Based Wildlife Explorer [GitHub]*
• Full-stack web app showcasing species native to user-defined regions using I-Naturalist & GBIF APIs.
• Optimized performance through Flask backend, React frontend, and geolocation logic via GeoPy.

JSON API Banking Backend *[GitHub]*
• Developed a RESTful backend in Go with PostgreSQL to manage user accounts and transactions.
• Structured for modular growth and designed to mimic secure banking logic.

LEADERSHIP & COMMUNITY INVOLVEMENT

FossUnited – Campus Lead
• Founded and lead a FOSS student club; conducted workshops and hackathons promoting OSS culture.
• Enabled over 50 students to contribute to open-source for the first time.

Google Developer Student Clubs (GDSC) – Technical Lead
• Directed peer learning initiatives, led hands-on sessions, and launched 3+ student-led tech projects.
• Facilitated real-world problem-solving using Google tools and APIs.

EDUCATION

B.E. in Computer Science
Smt. Indira Gandhi College of Engineering, Navi Mumbai — *Expected Apr 2026*