

## 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*

- 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*

- 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*

- 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**

- 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*