Rohith Gowda Devaraju

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SUMMARY

Analytical and solutions-driven **Software Engineer** with industry experience at **Boeing** and **GyanSys**. Proficient in Python, HPC, **Full-Stack Development**, and **DevOps**. Developed and deployed LLM-integrated systems with CI/CD pipelines. Contributed to impactful research in sign language recognition, traffic optimization, and phishing detection.

EDUCATION

Indiana University, Bloomington | MS, Computer Science — Bloomington, IN
Coursework: Applied Algorithms, Big Data Applications, Software Engineering — *Aug. 2025 – May 2027*

Visvesvaraya Technological University | BE, Computer Science — Bengaluru, India
Coursework: Data Structures, Object Oriented Programming, Cloud Computing — *Dec. 2020 – July 2024*

EXPERIENCE

Software Engineer — Sept. 2024 – July 2025
Boeing — *Bengaluru, India*

- Developed and reviewed **150+** ADA procedures and **60+** test cases for International Space Station software, improving reliability and compliance.
- Containerized applications with Docker and automated CI/CD pipelines, reducing deployment efforts by **80%**.
- Built LLM-integrated chatbot using FastAPI and Angular, enhancing response accuracy by **40%**.
- Optimized HPC runtime efficiency by **60%** with parallel scripting on clustered Linux systems.

Salesforce Intern — Jan. 2024 – May 2024
Gyansys — *Bengaluru, India*

- Designed a Hospital Management System managing **500+** patient records, reducing manual work by **70%**.
- Configured **10+** custom objects and built Lightning App Pages leveraging Salesforce Lightning Design System (SLDS) to deliver a responsive, user-friendly interface and ensure strong data integrity.
- Automated workflows using Process Builder and Flows, streamlining hospital operations.

Software Intern — May 2023 – Nov. 2023
Light of The Self Foundation (NGO) — *Bengaluru, India*

- Implemented speech-to-text and DOCX-to-MP3 pipelines, enabling accessibility for **100+ end users**.
- Created multilingual GUI tools and an avatar generator, converting images into MP4 for educational content.

PROJECTS

Phishing Detection Website | *Anaconda, Flask, Python, Sklearn* | GitHub

- Developed ML-based detection achieving **92%** accuracy on a dataset of **10,000+** URLs.
- Integrated list-based, similarity-based, and ML methods to reduce phishing risk for **33M+** users.

MuteSign – Deep Learning Sign Language Recognition | *TensorFlow, OpenCV, Scikit-learn, Pandas* | DOI

- Achieved **96%** accuracy using CNN and RNN across **1,000+** videos.
- Designed an end-to-end gesture recognition pipeline: data acquisition → preprocessing → classification.

Artha – AI Finance Platform | *Python, Next.js, Supabase, Streamlit, Gemini AI* | GitHub

- Enhanced a full-stack finance dashboard with LLM-powered receipt scanning and real-time budget alerts, improving expense tracking efficiency by **40%**
- Integrated Clerk auth, Resend email API, and Inngest workflows for real-time budget alerts.

CERTIFICATIONS & AWARDS

- Obtained **AWS Cloud Practitioner Essentials (Getting Started)**.
- Published **3 research papers** in sign language recognition, phishing detection, and AI-based accessibility systems.
- Earned **National Scholarship by Government of India for outstanding academic achievement**.
- Obtained **Microsoft Azure Fundamentals AZ-900**.