

ABHINAV K G

+91 8590353527 ◇ Thrissur, Kerala

✉ abhinavgopinadh@gmail.com ◇ [in linkedin.com/in/abhinavkg123](https://www.linkedin.com/in/abhinavkg123)

EDUCATION

MTech , Cochin University of Science and Technology <i>Software Engineering & AI</i>	2024 – 2026
BTech , KTU, CE Chengannur <i>Computer Science and Engineering</i>	2020 – 2024
DHSE , GVHSS Thalikulam <i>Computer Science</i>	2018 – 2020

EXPERIENCE

- **Artificial Intelligence Intern** May 2025 – Present
Lealabs Private Limited, Kochi, Kerala
Working on Python programming, data analysis, multi-agent system creation, and Generative AI-based projects.

SKILLS

Programming: C, Java, Python, dart, JavaScript
Frameworks: ReactJS, Flutter, Django, ExpressJS
Libraries: Pandas, OpenCV, SentencesTransformer
Databases: MySQL, MongoDB, Firestore, DynamoDB, PostgreSQL
Cloud: AWS, Firebase
Soft Skills: Time Management, Teamwork

Version Control: GitHub
Languages: English, Malayalam

PROJECTS

- **Quote Generator using RAG (May 2025 - June 2025)**
Implemented a Retrieval-Augmented Generation (RAG)-based system to generate context-aware movie quotes. Used FAISS for vector similarity search and Gemini 2.0 Flash for language generation. Developed a responsive frontend using Next.js to allow users to input prompts and receive relevant, genre-specific quotes.
- **Instant Messaging App (January 2025 – April 2025)**
Developed a real-time messaging application with secure data storage and a user-friendly interface. Built the frontend using Flutter and the backend with Django to ensure responsive performance and data integrity.
- **Carpooling App (January 2025 – April 2025)**
Created a cross-platform carpooling application with real-time ride scheduling, user authentication, and live tracking features. Implemented using React Native for the frontend and Node.js/Express.js for the backend.
- **Satellite Image Landscape Classification (August 2024 - Dec 2024)**
Built a machine learning model using K-Nearest Neighbors (KNN) to classify zoomed-in satellite images (100mm–400mm) as either inhabited or uninhabited. Performed preprocessing, feature extraction, and model training on labeled satellite image datasets to enable automated land use analysis.
- **Smart Irrigation Monitoring System (August 2024 - November 2024)**
Created an IoT-based irrigation system using ESP8266 and AWS. Enabled real-time monitoring, remote control, and dashboard visualization of soil moisture data.
- **Mentorship Platform - Successage (December 2023 - April 2024)**
Built a mentorship app to connect mentors and mentees. Contributed to both frontend and backend using Flutter and Firestore. .
- **Z-Vote (March 2023 - June 2023)**
Designed a blockchain-based e-voting platform ensuring security, transparency, and ease of use.

CERTIFICATION

- **Python Programming**

NPTEL Online Courses

The course consisted of various data structures, problem-solving skills, and algorithms.

- **Android App Development**

Internshala Online Training

Built apps using Kotlin and XML layouts, practiced UI/UX design principles, and integrated MySQL for backend database support.