A K Amarjith

Trivandrum, Kerala | akamarjithajith@gmail.com | +91 7994394194 | linkedin.com/in/amar07
github.com/Amar-77

Summary

Ambitious and technically adept Computer Science Engineering undergraduate with a proven ability to design and deploy impactful, tech-driven solutions. Strong foundation in software development with a keen interest in Machine Learning, Mobile app development and UI/UX design. Driven to add value in environments that champion innovation, strong engineering practices, and user-centered product development.

Education

Marian Engineering College, Trivandrum, B.Tech in Computer Science and Engineering — 2022 - 2026
- GPA: 8.80/10

Sivagiri Sree Narayana senior secondary school, Varkala, Class XII — 2022
- Grade: 84.0

Sivagiri Sree Narayana senior secondary school, Varkala, Class X — 2020
- Grade: 92.8

Internships

Artificial Intelligence, Rich Innovations – Trivandrum — 25 May 2025 - 08 June 2025
- Studied the fundamentals of Artificial Intelligence and Machine Learning concepts.
- Performed data preprocessing, feature engineering, and model optimization to enhance performance.
- Gained practical experience in end-to-end AI workflows and data analysis.

Flutter App Development, ICT Academy of Kerala – Trivandrum — 01 July 2024 - 16 Aug 2024
- Designed and developed mobile applications using Flutter framework.
- Contributed to UI design improvements and implemented key features like authentication and navigation.
- Explored Flutter packages and tools to enhance app functionality and performance.

Projects

SpeakEase 2.0 - Assistive app for fluency and reading assessment for children   GitHub

- A mobile application that bridges the gap between classroom learning and at-home practice by integrating a multi-model AI system for detailed speech analysis, providing fair assessment, real-time feedback, and gamified learning experiences for children and teachers.
- **Tools Used:** FastAPI, Python, PyTorch, Hugging Face Transformers

Pulmoguard - Pneumonia Detection App   GitHub

- An application built with Flutter that analyzes chest X-ray images to detect pneumonia through a Convolutional Neural Network (CNN) model hosted on a Flask server. Integrated an user interface for image upload and result visualization, enabling real-time medical image classification and early diagnosis support.
- **Tools Used:** Flutter, Flask, TensorFlow, Keras

Emo-Detect: A Transformer Model for Emotion Recognition (DistilBERT)   GitHub

- Built an intelligent Emotion Detection system that leverages state-of-the-art deep learning to detect nuanced human emotions from raw text input, bridging the gap between user input and empathetic AI understanding.

- **Tools Used:** Python, Hugging Face Transformers, PyTorch

SpeakEase - Speech Therapy App   GitHub

- A gamified speech therapy app for children that provides interactive practice sessions, real-time feedback, and progress tracking.
- **Tools Used:** Flutter, Firebase

Extracurricular Activities

- Media Lead, MuLearn (College-level chapter, 2023–24; managed digital content and community engagement)
- IV Coordinator (organized the official industrial visit)
- Participated in multiple 24-hour hackathons (rapid ideation and teamwork under pressure)
- Freelance video editor

Skills

Technical skills: Python, C, Flutter, UI Designing, Figma, After Effects

Soft Skills: Project leadership, Problem Solving, Team Collaboration, Creative thinking, Adaptability, Communication

Hobbies

Filmmaking, video editing, gaming, watching films, Tech surfing.