

ANANTHU S

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SUMMARY

Software engineering undergraduate specializing in building practical systems across IoT, embedded programming, and application development. Developed real-world projects including an ML-powered Android application for behavioral analysis. Focused on solving real problems through system integration, with the ability to quickly learn and adapt to new technologies.

SKILLS

Languages: Python, Kotlin, Java, C, Embedded C

Technologies: Android Studio, Arduino, Kivy, Linux, Git

Core: Data Structures & Algorithms, OOP, Machine Learning, Computer Networks, IoT

Database: SQL, SQLite

PROJECTS

Digital Behaviors – ML-Based Android Application 2026

- Developed and deployed Android application using **Kotlin** to analyze smartphone usage patterns
- Implemented **Random Forest model** achieving **98% accuracy** in addiction prediction
- Designed real-time data collection system tracking screen time, app usage, and unlock frequency
- Built secure sandbox environment with PIN-based authentication for controlled testing
- GitHub:** View Code

Smart Waste Bin – IoT-Based Waste Segregation System 2025

- Developed automated waste classification system using **Embedded C and Arduino**
- Integrated sensors to detect and categorize waste types in real time
- Designed control logic for automated segregation, reducing manual sorting effort
- GitHub:** View Code

E-KART – Smart Store Management Application 2024

- Developed mobile application using **Python (Kivy)** for inventory and store management
- Implemented personalized product recommendation based on user interaction patterns
- Enabled real-time comparison of product availability and pricing across nearby stores
- GitHub:** View Code

EDUCATION

B.Tech in Computer Science and Engineering, KMCT College of Engineering 2027
CGPA: 7.5

Diploma in Computer Hardware Engineering, KMCT Polytechnic College 2024
CGPA: 8.52

Diploma in Computer Application, SCOLE Kerala 2023

EXPERIENCE

Machine Learning Intern – Yhills Sep 2024 – Nov 2024

- Built and evaluated machine learning models using Python
- Performed data preprocessing, feature selection, and model tuning for improved performance

Python Automation Intern – Propulsion System May 2023

- Developed Python scripts to automate system workflows
- Reduced manual effort by automating repetitive processes

LEADERSHIP & ACTIVITIES

Technology Lead – IEDC, KMCT College of Engineering

- Led technical initiatives and guided student teams in developing project prototypes
- Participated in IEDC Summit and engaged in startup and innovation ecosystem discussions
- Hackathon participant – Community Digital Learning Space (2025)

CERTIFICATIONS

- Ethical Hacking – Cisco Networking Academy
- Gen-AI – NIT Calicut
- Hacker Toolkit – Offense Hacker Academy