

AMARNATH C

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CONTACT

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EDUCATION

B.Tech, Computer Science & Engineering

Amal Jyothi College of
Engineering, Kottayam
2022 – May 2026

Higher Secondary

Nanminda HSS, Kozhikode
2020 – 2021

TECHNICAL SKILLS

- **Backend:** Go, Python, Java, Rust, C++, REST APIs, Microservices
- **Web:** JS, React, Next.js, Tailwind CSS
- **Mobile:** Kotlin, Jetpack Compose, Flutter, Dart
- **Databases:** MSSQL, PSQL, MongoDB
- **AI/ML:** PyTorch, OpenAI API, Ollama
- **Cloud & DevOps:** Docker, Git, CI/CD, AWS, Azure, GCP

CERTIFICATIONS

Google Analytics Certification
Valid until Aug 2026

ACHIEVEMENTS

- **1st place**, AI Samasya (ICGAIFE 3.0), 2026
- **1st place**, GIS Hackathon, NeST Digital, 2026
- **2nd place**, HackFit 4.0, 2026
- **2nd place**, IEDC Kottayam Cluster Hackathon, 2026
- NASA Space Apps Challenge: **Best Environmental Impact** (2024); **Best Software** (2025)
- HEISTA 2023: 3rd place, Productathon, TKM
- ICEFOSS Hackathon: 2nd runner-up, FISAT
- Founding Member, Blankspace, AJCE
- Webmaster, ACM AJCE (2025)

SUMMARY

Full-stack developer with expertise in scalable backend systems, cloud-native apps, and mobile solutions. Proficient in Go, Python, AI, Flutter, Kotlin, Next.js, and DevOps (Docker, CI/CD, Kubernetes). Skilled in delivering high-performance, production-ready software with strong collaboration and problem-solving experience.

PROFESSIONAL EXPERIENCE

Jethur

Software Engineer · Backend

Aug 2026 – Present

- Develop scalable Go microservices for Jethur's governance, risk and compliance (GRC) platform.
- Implement backend application logic and data access using Microsoft SQL Server (MSSQL).

NeST Digital

GIS Intern · Full-time

May 2026 – Aug 2026

- Completed a full-time GIS internship at NeST Digital, a provider of geospatial applications, mapping and data analysis services.

Inicial

Software Developer

Dec 2025 – Dec 2025

- Enhanced and deployed 7+ production applications using PostgreSQL and Next.js.
- Reduced response times by 20% through code refactoring and query optimization.

PROJECTS

Gogram (open-source)

Go Telegram MTProto API

2022 – Present

- Open-source Go Telegram MTProto API serving 5,000+ users.
- Added encryption and real-time features, reducing latency by 40%.

Pennywise (Academic)

AI Vulnerability Detector

Jun 2025 – Present

- Developing an AI vulnerability detector targeting the OWASP Top 10.

Outpost

Remote Development Workspace

2026

- Built a Kotlin/Compose app with a Go backend for remote development.
- Integrated SSH relay access, persistent terminals, Git and AI assistants.

Smart Ways (Academic)

AI Traffic Prediction

Nov 2024 – Jan 2025

- Built a Go, Kotlin and ML traffic predictor, improving accuracy by 30%.
- Optimized forecasting to reduce delays by 15%.

Adex Healthcare

Staff Web Platform

Feb 2024 – Sep 2024

- Built a Next.js + MongoDB staff platform for 500+ users.
- Implemented invoicing, authentication, dashboards and attendance tracking.

CrowdIn

Disaster Alert App

Jun 2024

- Built a public disaster alert app with Kotlin, Flask and GCP.
- Improved geolocation and notifications, reducing response time by 35%.