

ARULMOHAN P

+91 94983 53532 • iamarulmohan333@gmail.com • linkedin.com/in/arulmohanp27 • github.com/Arulrot

SUMMARY

Skilled developer with expertise in cloud, DevOps, AI, and IoT technologies. Experienced in full project lifecycle from design to deployment, passionate about automation and scalable solutions.

EDUCATION

B.E in Computer Science and Engineering

2022-2026

SNS College of Technology

GPA 8.6

Department of Computer Science

TECHNICAL SKILLS

Programming & Scripting: Python, Bash/Shell, SQL **Cloud & DevOps:** AWS, Docker, Kubernetes, Jenkins, Terraform, CI/CD pipelines **AI & Computer Vision:** OpenCV, DeepFace, Machine Learning, Pandas, NumPy **IoT & Embedded Systems:** NodeMCU (ESP8266), NFC, Arduino, MQTT **Databases & Storage:** MySQL, DynamoDB, Google Sheets API **Software Development Life Cycle:** Understanding of planning, design, implementation, testing, deployment, and maintenance **Tools & Platforms:** Git, Linux, VS Code, Tkinter, Google Apps Script

PROFESSIONAL EXPERIENCE

Tech Snapie Solutions, Coimbatore, IN: DevOps Lead

May 2024 – May 2025

- Optimized AWS environments across four setups, ensuring 40% faster resource provisioning.
- Automated CI/CD pipelines with GitHub integration, cutting deployment time by 35%.
- Delivered IoT-DevOps solutions improving scalability and system reliability.

PROJECTS

Arulcloud

2025

Personal cloud storage platform (mini Google Drive).

- User verification through Amazon Cognito API calls with secrets managed by AWS Secrets Manager
- Data storage in Amazon S3 buckets with backend server hosted on AWS EC2

Inventra Ai Gene

2024

Smart retail stock management tool with data analytics and AI-driven automation.

- Automated inventory insights and alerts with AI-powered features.
- Created analytics dashboards for actionable business intelligence.

IoT NFC Attendance System

2023

Smart attendance system using NodeMCU and NFC with Google Sheets logging and Telegram notifications.

- Captured NFC tag UUIDs via ESP8266 and recorded check-in/out times efficiently.
- Automated Google Sheets updates through Apps Script and real-time Telegram alerts.

Face Expression Attendance Recognition System

2022

AI-powered attendance tracker using Python, OpenCV, and DeepFace for facial and emotion recognition.

- Integrated Haarcascade face detection with DeepFace emotion recognition to enhance attendance accuracy.
- Tkinter GUI for student registration, profile training, and password management.

ACTIVITIES

Mentorship & Guidance

Ongoing

Mentored 50-60 students in cloud and DevOps fundamentals, guiding freelance projects and fostering practical skills development.

- Conducted hands-on workshops on AWS, Docker, CI/CD, and software development best practices.
- Supported students in project planning, portfolio building, and technical communication.
- Assisted freelancers and early career developers in real-world project execution and problem-solving.