MOHAMED ARSATH A

Software Engineer | Data Science Enthusiast

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Education

B.E – Computer Science
M.A.M College of Engineering and Technology
2022 – 2026
CGPA: 7.9 / 10

Technical Skills

Programming
Python, Java, Spring Boot

Data Science & AI
Machine Learning, Data Analytics, Generative AI

Web Technologies
HTML, CSS, JavaScript

Emerging Tech
AI, IoT, Spring AI

Tools & Libraries

- NumPy, Pandas, Matplotlib
- Scikit-learn
- Flask
- SQLite, MySQL
- Git & GitHub

Certifications

- PALS Merit Certificate – IIT Alumni Initiative
- Generative AI with Java & Spring Boot – Udemy (2025)
- Java Programming – Great Learning (2024)
- Campus Ambassador – Skill Intern (2024)
- Web Development – Skill Vertex

Hackathons

- Smart India Hackathon – 2024, 2025
- EY Techathon 6.0 – 2025
- TNSCT Project Scheme – 2025–26

Additional Info

- **Languages:** Tamil, English
- **Soft Skills:** Problem-solving, Leadership, Team Collaboration

Experience & Training

Data Science with Python – Training
i Life Technology, Trichy
Currently Pursuing (3 Months)
Training in machine learning, statistical analysis, data visualization, and Python libraries.

Full Stack Development Intern
i Life Technology
September 2024 (30 Days)
Worked on frontend design, backend logic, database integration, and deployment.

Data Analytics Intern
VDart Academy
July – August 2025 (30 Days)
Performed data cleaning, visualization, and derived insights from datasets.

Projects

MatchMyFit – AI-Based Smart Wardrobe & Outfit Recommendation System
AI-driven outfit recommendation system with laundry-aware planning.
- Designed end-to-end application flow and weekly planner
- Implemented rule-based recommendation logic and color analysis
- Developed responsive UI and backend services

Tech: Python (Flask), HTML, CSS, JavaScript, SQLite

Chainmind Pro – Intelligent Invisible Security System
IoT-based chain theft detection system with real-time alerts.
- Designed IoT architecture with sensor nodes
- Implemented Python-based alert logic

Tech: AI, IoT, Python

Smart Stick for Visually Impaired
Assistive device with obstacle detection and audio feedback.
- Integrated ultrasonic sensors
- Implemented real-time audio guidance

Tech: AI, IoT, Python

Key Strengths

- Strong foundation in Java, Spring Boot, and Python
- Hands-on experience in Data Science & Machine Learning
- Proven ability to build AI & IoT based real-world projects
- Active hackathon participant with strong problem-solving skills