Mahesh Kumar Tippanu *AI Engineer*

in https://www.linkedin.com/in/mahesh-kumar-tippanu-343237a5/

○ https://github.com/mahesh-tippanu ✉ maheshkumartippanu@gmail.com

◉ Visakhapatnam, India 📞 +91-6303186275

Career Objective

AI Engineer specializing in Agentic AI, Machine Learning, Image Processing, and secure cloud-ready deployments.
Focused on building scalable AI systems, automation workflows, and research-driven engineering solutions.

Professional Experience

AI Agentic Engineer — Intern   09/2025 – 11/2025
Nova3Ark   Bangalore
- Created AI-driven workflows integrating Flowise with WhatsApp Cloud API.
- Built Node.js microservices enabling agent-user communication.
- Designed and implemented secure TOTP MFA with QR onboarding.
- Improved multi-agent orchestration response time by 30%.
- Developed Dockerized pipelines with structured logging.

Desktop Support Engineer   01/2024 – 09/2024
Frontier Communications Pvt Ltd   Hyderabad
- Managed Azure VM infrastructure ensuring 99% system uptime.
- Automated server tasks using PowerShell/Python reducing manual work by 25%.
- Supported DevOps CI/CD workflows and secure credential management.

Python Developer   02/2023 – 10/2023
Paccore IT Solutions   Hyderabad
- Developed ML-driven healthcare analytics using scikit-learn & Flask.
- Built ETL pipelines improving clinical data processing by 0%.
- Improved API response times and raised test coverage to 88%.

Apprentice Engineer   03/2022 – 01/2023
BridgeLabz Solutions   Mumbai
- Completed full-stack Java training (Spring Boot, REST APIs).
- Built internal dashboards and MySQL data-access components.

Education

M.Tech — Computer Science & Engineering   2024 – Present
GITAM University
CGPA: 8.0/10

B.Tech — Civil Engineering   2014 – 2020
Andhra University
CGPA: 6.1/10

Strengths

- Strong Python and ML Engineering

- Image Processing Foundations

- Secure Coding (TOTP, MFA, API Security)

- Agentic AI Automation (Flowise, Multi-Agent Orchestration)

- Cloud Deployment Experience (Azure, Docker)

- Fast Learner, Ownership Mindset, Team Player

Key Projects

AI Image Processing System (X-ray Detectors)
- Implemented noise removal, edge detection, contrast enhancement.
- Built OpenCV-based feature extraction pipelines.

Agentic AI Data Generator
(2025)
- Multi-agent architecture for schema analysis & structured data synthesis.
- Export formats include CSV, JSON, XML, SQL.

Crypto Recommender System
(2024)
- Real-time ML trend prediction deployed on Azure Cloud.

Journal Recommendation System
(2024)
- Logistic Regression ranking model for academic journal selection.

Certifications

Microsoft Certified: Azure Fundamentals
(202)

Google IT Support Professional Certificate
(202)

TCS NQT Qualified — 79.69%
(Feb 202)

Shortlisted — IndoML Datathon, BITS Pilani
(Dec 202)