MOHAN GANDHI
AI & BACKEND DEVELOPER

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SUMMARY

Adaptable AI Engineer, Backend Developer, and Data Analyst with a strong passion for learning new technologies. Skilled in designing cost-effective, scalable solutions and flexible in working hours. A dedicated professional who thrives in team environments, consistently delivering quality results while striving for excellence and innovation. Proven ability to collaborate effectively and adapt quickly to evolving project needs, ensuring optimal performance and business impact.

TECHNICAL SKILLS

Programming & Scripting
Python | Java | Typescript | C++ | Prompt Engineering
Machine Learning
Regression models | Classification models | Deep Neural Networks | Transformer | Pre-trained LLMs | Pre-trained Object detection models
Cloud & DevOps
AWS | Google Cloud | CI-CD | Kubernetes | Loki-Grafana
Databases
MongoDB | PostgreSQL
Others
Apache Kafka | GIT | Tableau

PROFESSIONAL EXPERIENCE – SMARTAIL PVT LTD

Product Engineer   Jul 2023 - Present
Product Engineer Intern   Nov 2022 - Jun 2023

- OCR for handwritten text using Transformer models
- ML-powered student answer grading with integrated knowledge graph
- LLM powered grading for creative answers
- Object detection models for detecting required data for answer paper evaluation
- Visualization tools for student performance analytics
- Scalable Flask and Fast API microservices architecture
- Microservices migration to Kubernetes; scaling standalone nodes
- NFS-based efficient microservice architecture
- Automated question number detection
- Critical Incident & War Room Leadership, Technical Governance & Code Quality
- Orchestrate production deployments, manage release cycles, and ensure zero-downtime migrations for critical systems.

EDUCATION

M. Sc Data Analytics   Jul 2021 - Jun 2023
Sri Ramachandra Engineering and Technology - First Class with Distinction
B. Sc Maths   Jun 2018 - May 2021
D G Vaishnav College - First Class with Distinction

ADDITIONAL INFORMATION

- **Languages:** English, Tamil.
- **Certifications:** Foundations of AWS
- **Conferences:** NVIDIA AI Summit - 2025, Mumbai