Sharma V

AI ML Developer, 8+ years experience
Indore, India
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HE is a dedicated and results-driven professional with strong experience in his field, known for his commitment to delivering quality work and achieving organizational goals. He possesses excellent problem-solving abilities, strong communication skills, and a proactive approach toward handling responsibilities. Throughout his career, He has worked on multiple projects that required collaboration, strategic planning, and efficient execution, which helped him build a solid understanding of business processes and client expectations. He is adaptable to changing environments and continuously focuses on learning new skills to stay updated with industry trends. His ability to manage tasks effectively, meet deadlines, and maintain positive professional relationships makes him a valuable team member. He is recognized for his leadership qualities, attention to detail, and dedication to excellence. With a growth-oriented mindset and passion for success, he consistently strives to contribute positively to both team performance and overall business development.

INDUSTRIES: Machinery Processing, AI powered Demo and Data Capture Platform

TECHNICAL SKILLS

• Azure	7 years & 11 months
• Python	7 years & 11 months
• Microsoft Fabric	7 years & 10 months
• Power BI	7 years & 9 months
• Machine Learning	7 years & 11 months
• Auto ML	7 years & 11 months
• Scikit learn	6 years & 10 months
• Prophet	6 years & 5 months

SOFT SKILLS

Good Communication

PROJECT DETAILS

• Fraud Detection System September-2022 - July-2024

Project Description: Deployed real-time ML inference pipelines on AWS SageMaker with streaming data ingestion, aligning with cloud-native AI architectures. Optimized model inference latency and cost efficiency for large-scale transaction processing. Implemented production monitoring and alerting pipelines for anomaly detection systems.

Responsibilities: Developed an AI-driven credit card fraud detection system to identify fraudulent transactions using machine learning algorithms. Built scalable data pipelines using Python (Pandas, NumPy) for transaction data processing and feature extraction. Implemented supervised learning models including Random Forest, Gradient Boosting, and Logistic Regression for fraud classification. Optimized model performance by handling highly imbalanced datasets using SMOTE and ensemble learning techniques. Integrated fraud detection models with backend services through RESTful APIs using Flask/FastAPI. Deployed the model in a Dockerized environment for scalable real-time prediction. Conducted model monitoring and performance tuning to reduce false positives and improve detection accuracy.

Technologies: Programming Languages: Python Data Handling: NumPy, Pandas Image Processing: OpenCV, Pillow, PySpark Development Tools: GitHub, git, GCP

Industry: Machinery Processing

• AI-Powered Smartbook Learning

Project Description: Designed and developed a scalable AI-driven digital learning and assessment platform enabling students to interact with digital activity books, attempt structured assessments, and receive automated performance insights. The platform supports multi-role users including students, parents, teachers, and administrators while integrating AI learning assistance, automated evaluation pipelines, and cloud- native deployment on AWS.

Responsibilities: Designed and implemented a scalable backend architecture using FastAPI to support high- volume student interactions and assessment processing. Developed an automated assessment evaluation engine for MCQ, fill-in-the-blank, and essay-based responses with structured scoring workflows. Integrated LLM-based AI learning assistant using Google Gemini API to provide contextual explanations and dictionary support for students. Built role-based access control (RBAC) and secure authentication using JWT to manage access for students, parents, teachers, and administrators. Implemented learning analytics and leaderboard systems to track student performance, engagement, and completion metrics. Designed subscription-based feature control system enabling plan-based access to AI features, performance insights, and learning materials. Deployed the platform using AWS cloud infrastructure (EC2, S3, Route 53, CloudWatch) with Docker-based containerization for scalable and reliable deployment.

Technologies: Python, FastAPI, Google Gemini API, PostgreSQL, AWS EC2, AWS S3, Route 53, CloudWatch, Docker, Alembic, REST APIs, RBAC, GenAI, AWS AI,Voice AI, RAG, Prompt Engineering, Agent Architectures, AWS Bedrock,LangChain, Microservices, LLM Fine-Tuning, Model Opt

Industry: AI powered Demo and Data Capture Platform

EMPLOYMENT HISTORY

• AI ML Developer April-2019 - May-2026

Description: Handle team of 4-5 developers, have worked on various projects

EDUCATION

• Masters degree in AI & Data Science from DAVV 2014 - 2019

LANGUAGES

• English - advanced

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