

ARJUN DESHMUKH

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SUMMARY

Results-driven Computer Science graduate specializing in Machine Learning and Backend Engineering. Experienced in building scalable AI systems using Python, TensorFlow, and FastAPI. Strong background in data processing, model deployment, and cloud-native application development. Passionate about production-grade ML pipelines and system optimization.

SKILLS

Programming: Python, R
Data Handling: Pandas, NumPy, SciPy
Machine Learning: Scikit-learn, XGBoost, LightGBM
Deep Learning: TensorFlow, PyTorch, Keras
Deployment: Flask, FastAPI, Docker
Cloud & DevOps: AWS, Google Cloud Platform, Kubernetes
Databases: PostgreSQL, MySQL
Tools: Git, Jupyter Notebook

PROJECTS

Real-Time Fraud Detection System

- Developed an end-to-end ML system using Scikit-learn and TensorFlow.
- Engineered features using Pandas and NumPy for high-dimensional datasets.
- Achieved 91% precision using ensemble models.
- Deployed microservices using Docker and Kubernetes.

EXPERIENCE

Machine Learning Intern — FinTech Analytics Pvt Ltd

June 2024 – Dec 2024

- Built predictive trading models using XGBoost achieving 82% directional accuracy.
- Designed and deployed REST APIs using FastAPI for model inference.
- Containerized ML pipelines using Docker and deployed on GCP.
- Optimized SQL queries reducing data retrieval time by 35%.