

SHUBHAM DUBEY

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CAREER OBJECTIVE

Petroleum Engineering graduate with 2+ years of experience in technical analysis, real-time systems, and data processing for oil & gas operations. Developed expertise in machine learning, computer vision, and NLP through hands-on work with drilling data, sensor analytics, and automated reporting systems. Seeking to leverage domain knowledge and technical skills in data science roles.

EDUCATION

Bachelor of Technology – Applied Petroleum Engineering (Upstream)

University of Petroleum and Energy Studies (UPES), Dehradun | 2019 – 2023

Academic Performance: Senior Secondary (XII), CBSE: 86% | Secondary (X), CBSE: 92%

TECHNICAL SKILLS

Programming & Development: Python, SQL, Java, C++, Git, GitHub

Machine Learning & AI: Scikit-learn, TensorFlow, PyTorch, Deep Learning, Time Series Analysis, OpenCV, NLTK, spaCy

Computer Vision & NLP: Image Classification, Object Detection, Feature Extraction, Text Classification, Document Processing, Text Summarization

Data Science & Analytics: Pandas, NumPy, Matplotlib, Seaborn, Statistical Analysis, ETL Pipelines

Cloud & Database: Microsoft Azure (AZ-900), Azure ML, Azure SQL, Azure DevOps, CI/CD, SQL Server, Azure Cosmos DB

PROFESSIONAL EXPERIENCE

Technical Analyst

Kongsberg Digital India, Bangalore | June 2023 – Present

- Built ETL pipelines processing 10M+ data points daily using Python and SQL,
- Developed predictive ML models for equipment failure prediction.
- Created automated data extraction systems from documents and sensor data using computer vision and NLP
- Designed Azure-based ML architecture with microservices orchestration for enterprise clients.
- Collaborated with DevOps teams to deploy ML models into production using Azure Service Fabric

Engineering Intern

- Conducted statistical analysis on pipeline data using Python and advanced analytics techniques
 - Developed data validation frameworks for network optimization and safety pattern identification
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KEY PROJECTS

Document Classification & Data Extraction Pipeline

Tech Stack: Python, OpenCV, NLTK, TensorFlow, Azure ML

Built end-to-end ML pipeline for image classification and automated text extraction. Implemented computer vision preprocessing and NLP models, reducing manual processing time significantly.

Real-time Computer Vision Analytics

Tech Stack: Python, Scikit-learn, OpenCV, Azure Stream Analytics

Developed scalable ML pipeline for real-time data processing and image classification. Implemented equipment monitoring system with computer vision algorithms for predictive maintenance.

Multi-modal Production Forecasting

Tech Stack: Python, XGBoost, NLP, Time Series Analysis, Azure ML

Created ensemble models combining text analysis and numerical data. Built NLP pipeline for document processing and time-series forecasting for production optimization.

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900) – 2023

Microsoft Certified: Azure Cosmos DB Developer (DP-600) – 2023

Data Science with Python – University of Michigan (Coursera) – 2023

Machine Learning for Business Professionals – Coursera – 2023

ADDITIONAL INFORMATION

Core Competencies: Scalable ML pipelines, Computer vision applications, NLP solutions, Model deployment and optimization, Cross-functional collaboration with DevOps and Data Engineering teams

Professional Strengths: Problem-solving mindset, Strong analytical thinking, Excellent communication skills, Adaptability with evolving technologies, Proven track record of delivering measurable business impact