

SHUBHAM DUBEY

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CAREER OBJECTIVE

Petroleum Engineering graduate with

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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
- 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 - HP Oil Gas Pvt Ltd

June 2022 - July 2022

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

EDUCATION

Bachelor of Technology – Applied Petroleum Engineering (Upstream)

University

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

University

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

University

TECHNICAL SKILLS

Python • SQL • Petroleum Engineer • React

KEY PROJECTS

Document Classification & Data Extraction Pipeline

Technologies: 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

Technologies: 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

Technologies: 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