

# SHUBHAM DUBEY

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## CAREER OBJECTIVE

Petroleum Engineering graduate with

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## CAREER OBJECTIVE

Highly motivated Software Engineer with expertise in machine learning, data processing, and automation, leveraging technical skills to drive innovation. Proficient in developing scalable solutions using programming languages like Python. Experienced in building predictive models and data extraction systems.

## 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 • React • Petroleum Engineer

## 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