# MOHD ABDUL MUQEEM

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## SUMMARY

Currently an MSc Data Science student at the University of Salford with hands-on experience in Python, SQL, Machine Learning, Power BI, and Natural Language Processing, developed through previous internships and personal projects. Eager to apply data-driven insights to solve real-world business problems in a collaborative and fast-paced environment.

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## EDUCATION

**Master of Science in Data Science**                                                             **Expected - 2026**
University Of Salford - Manchester, United Kingdom

**Bachelor of Science in Computer Science**                                                        **2021 - 2024**
Osmania University - India

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## PROJECTS

### > JOB MARKET ANALYSIS IN DATA FIELD - 2024

- Conducted an extensive analysis of 14,199 job roles in the data domain, uncovering trends in salaries, job categories, and work settings by experience levels and locations. **Tools : Python, NumPy, Pandas, Matplotlib, Seaborn**
- Visualized insights on top paying and in demand roles, aiding the understanding of market dynamics.

### > STOCK MOVEMENT ANALYSIS USING REDDIT DATA

- Implemented a sentiment analysis model to classify financial discussions into sentiment categories (positive, neutral, negative) and visualize sentiment distribution for actionable insights.
- Achieved **F1 scores** of 0.80, 0.82, and 0.88 using logistic regression, decision tree, and random forest models, respectively, for stock movement prediction. **Tools : Python, NumPy, Pandas, Matplotlib, Seaborn, Sklearn**

### > EMAIL SPAM DETECTION WEB APP

- Built an Email Spam Detection app using Python, Streamlit, and Multinomial Naïve Bayes; achieved 98.6% accuracy and 92% spam recall using advanced NLP techniques (TF-IDF, stemming, stopword removal).
- Deployed an interactive web app enabling real-time email classification, reducing data noise by 40% and improving user security against phishing, junk emails. **Tools : Python, NumPy, Pandas, Matplotlib, Sklearn, Streamlit, NLTK**

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## EXPERIENCE

**DATA SCIENCE INTERNSHIP - UNIFIED MENTOR PVT LTD.**                     **JULY 2024 - AUGUST 2024**

- Executed data cleaning and analysis on large datasets using Python and SQL, ensuring 100% data accuracy.
- Created visualizations in Power BI to present insights, supporting data-driven decision-making. Automated data processing workflows, reducing manual effort by 40% and increasing efficiency.

**DATA SCIENCE INTERNSHIP - FULL STACK ACADEMY**                          **JANUARY 2024 - MAY 2024**

- Analyzed large datasets using Python and SQL, optimizing predictive models and improving accuracy by 20%
- Optimized ML models, improving stock movement prediction F1-score by 10% (from 0.80 to 0.88) through feature engineering and sentiment analysis.

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## ADDITIONAL INFORMATION

- **Technical Skills:** Programming (Python, SQL), Machine Learning (Supervised & Unsupervised Learning), Natural Language Processing (NLTK)
- **Visualization and BI:** Excel, Power BI, Matplotlib, Pandas, Seaborn
- **Certifications:** Advanced Data Science, BCG Job Simulation (Forage)
- **Visa Status :** Tier 4 (Student Visa) " Work Limit During Term - 20hrs p/w "