

**Mohammed Afzal Mohiuddin**  
+44 7435135736 | afzal0mohammed@gmail.com

## Education

**Sept 2022 – Sept 2023**      **Master of Science in Data Analytics**      **Queen Mary University of London, UK**  
**Relevant Modules:** Financial Data Analysis; Machine learning with Python; Programming with Python; Optimization for Business Process

**May 2013 – May 2017**      **Bachelor of Technology in Civil Engineering**      **JawaharlalNehru Technological University-India**

## Work Experience

**Software Development Engineer in Test for Product Analytics**      **Aug 2021 – Aug 2022**  
Deskfactors Technologies Pvt Ltd      India  
Product: BlueSecures App (Secure Messaging & Audio Calling for Financial Clients)

- Developed complex SQL queries which resulted in a 20% boost in data retrieval efficiency for database testing.
- Analyzed various data mappings to streamline testing processes, reducing test cycle time by 20%, which enabled faster product features releases.
- Conducted a comprehensive root-cause analysis of data defects, leading to the creation of a product quality framework.

**Associate Software Engineer**      **Oct 2020 – July 2021**  
EsMob Technologies Pvt. Ltd      India  
Product: Various inhouse applications

- Created Python scripts to automate data transformation tasks, reducing manual work by 30% and enhancing operational efficiency.
- Implemented automated dashboards, effectively saving 15 hours per week previously spent on manual reporting, ensuring a seamless flow of information to stakeholders.
- Communicated with business leaders, financial officers, and market representatives to gather information and validate findings.

**Engineering Intern**      **Feb 2016 – Jun 2016**  
GlassPoint Solar LLC      Muscat, Sultanate of Oman  
Project: - Miraah is a 1,021MW solar thermal facility located in South Oman. It uses high-pressure steam, which is injected into the oilfield reservoirs to make the oil easier to be pumped to the surface.

- Enhanced Miraah project accuracy by 15% through Project Scope documentation analysis.
- Created design checklists in Microsoft Excel, reducing design errors by 20% and boosting project efficiency.
- Improved design accuracy by 10% and reduced potential errors by reviewing Foundation design data requirements.

## Software Skills

- **Programming Languages:** Python Programming (Libraries: NumPy; Pandas; Matplotlib; Seaborn); HTML
- **Other:** Git; Jira; MS Excel; VBA (Visual Basic for Applications); MS Word, MS Power Point
- **BI analytics / reporting / visualization tools:** Tableau, AWS QuickSight
- **Databases:** MySQL, SQL
- **Cloud Service:** Microsoft Azure

## Skills

- Strong numerical ability and proficiency in handling complex calculations
- Excellent English communication skills
- Familiarity with data quality tools and ETL frameworks.
- Familiarity with Fixed Income, Equities and Derivatives, Risk analytics such as Durations, Spreads, Beta and VaR

## Project Works

- Predicting Customer Churn in Banking: A Machine Learning Project with Python
- Exploratory Data Analysis of Indian Premier League using Pandas, NumPy, Seaborn, and Matplotlib library in Python