

# Shaik Mohammed Rizwan

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## Profile

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Data Analyst with 3 years of experience in the software industry, skilled in extracting insights from complex datasets.

- **Data Handling:** Extensive experience in data cleaning, migration, manipulation, and ETL techniques, ensuring high-quality and actionable data.
- **Tools & Technologies:** Mastery in R, SQL, IBM SPSS, Power BI, Tableau, Excel, and Python, enabling leveraging various platforms for data analysis.
- **Statistical & Machine Learning Analysis:** Proficient in utilizing statistical methodologies and machine learning to derive business insights and forecast trends.
- **Communication:** Strong ability to convey complex data findings clearly to non-technical stakeholders. Also fluent in business and spoken English.
- **Adaptability:** Proven capability to work under pressure and meet tight deadlines.

Actively seeking roles in data and technology. Eligible to work under Stamp 1G until April 2024.

## Technology Skills

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- **Python** – Experienced Python professional adept in data analysis and engineering. Proficient in utilizing pandas, numpy, and sci-kit-learn for data manipulation and modeling. Skilled in building robust ETL pipelines and optimizing data workflows for insightful decision-making.
- **SQL** – Complex data querying, transformation, and database management, designing efficient database structures.
- **Libraries** – Apache Spark, PySpark, Pandas, Numpy, OpenCV, Scikit-learn, Matplotlib, ggplot
- **Visualization tools** – Tableau, Power BI
- **Machine Learning Algorithms** – Linear Regression, Logistic Regression, Decision Tree, Random Forest, XGBoost, SVM, KNN, Apriori, Arima
- **Cloud Platforms** – Minimal knowledge of AWS to streamline data storage, analysis, and processing ensuring smooth data flow and accessibility.
- **Developer Tools** – Jupyter Notebook, Google Collab, Git, VS Code, Jira, PyCharm
- **Database Management** – MongoDB, PostgreSQL, MySQL, NoSQL, MS Excel, SQL server

## Education

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**Jan 2022 – Jan 2023** **National College of Ireland, Dublin**  
**Master of Science in Data Analytics**

Modules: Statistics for Data Analytics, Database and Analytics Programming, Data Mining and Machine Learning, Modelling, Simulation and Optimization.

Projects: restaurant success prediction, stock price analysis

Final Thesis: Solving staffing problem, by predicting driver availability using past online presence behavior  
Solution: Application of time series methodology on ML algorithms, to account for cyclic presence behavior.

## Professional Experience

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## **Data Analyst**

*TE Connectivity Bangalore, India*

Oct 2019 - Dec 2021 (E-mech OEM Industry)

- Recognized patterns and trends, conducted quality assurance-related analysis, market and sales trend analysis, and clustering algorithms using Python.
- Supported quarterly forecasting and annual budgeting using predictive analytics and created dashboards for the same using Tableau leading to a 5% increase in sales conversion rates.
- Automated repetitive data integration processes and pre-cleansed data sets using SSIS to ensure accurate data transfer onto ERP systems.
- Maintained data pipeline and implemented real-time status monitoring, best practices recommendations, end-to-end data, and process flow mapping using PostgreSQL to ensure good data quality.

## **Power BI Data Analyst**

*Dassault Systèmes Bangalore, India*

Dec 2018 - Oct 2019 (11 months) (Aerospace Industry)

- Processed raw data and developed material cost strategies, reducing material costs by 12%.
- Conducted SQL queries and transformed supplier and pricing trends, resulting in a 15% increase in profit margin opportunities.
- Collaborated with cross-functional teams and business units, and designed data-driven solutions.
- Maintained and enhanced SQL databases using stored procedures, indexes, triggers, functions, Case statements, Queries, Subqueries, CTE, Data Encryption, Manipulation, and database functions.
- Maintained SQL databases, reducing query response time by 10% and improving data security.

## **Projects**

### **Sales Analysis Dashboard (TE Connectivity)**

- Designed and developed a Sales Analysis Dashboard using Tableau and PostgreSQL.
- Leveraged SQL queries to extract data from a large relational database, and transformed it using advanced Tableau techniques such as blending, calculations, and mapping.
- Used visualizations such as heat maps, scatter plots, and histograms to identify key sales trends and performance metrics.

### **Database Migration (TE Connectivity)**

- Designed and Migrated database from MySQL to MongoDB using ETL tool Apache Nifi.
- Developed a solution to transfer real-time data from MySQL to MongoDB using a combination of Python scripts.

### **Automated Warehouse Operations (TE Connectivity)**

- Created an automated warehouse operations sheet using advanced Microsoft Excel formulas and macros.
- Provided pick and place locations for incoming and outgoing parts based on their size and location.

## **Personal Details:**

Date of Birth: 6 September 1996

Languages: English, Kannada, Hindi, Bengali and Urdu.

Address: 36 Dean Swift Green, D11 XW90

Hobbies: Cycling, Martial arts, Basketball, Philosophy, Comedy