

# ABDULLAH SIRAJ

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Data Engineer/Analyst with 5+ years of experience building robust data solutions, developing ETL pipelines, and conducting insightful analysis on large datasets. Skilled in data visualization using various tools tailored to project needs.

## PROFESSIONAL EXPERIENCE

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Uniper Energy, Dusseldorf, Germany

Jun 2023 – Dec 2023

### **Working student Power BI (Accounting and Controlling)**

- Spearheaded enhancement of SQL database efficiency and Tagetik Reporting software integration, streamlining data analytics processes, and increasing reporting accuracy by 30%. Demonstrated expertise in BI and Analytics Software to drive data-informed decision-making strategies.
- Orchestrated manipulation of large datasets across diverse systems, facilitating critical insights to stakeholders, resulting in a 25% improvement in data processing efficiency.

Afiniti Ltd, Remote

Jan 2022 – Jun 2022

### **Data Scientist II**

- Implement quality assurance procedures to validate and enhance the reliability of data sourced from clients, resulting in a 15% increase in data accuracy and a 20% reduction in data processing time.
- Collaborate with the AI team to optimize performance metrics aligned with client objectives.
- Manage 2 clients' projects concurrently, overseeing the development of ETL pipelines and conducting data pre-processing tasks.

Yallacompare, Remote

Sep 2021 – Jun 2023

### **Senior Data Scientist**

- Conducted data extraction, collation, and analysis from GCP-based Big Query and other internal data sources to identify patterns, trends, and performance indicators.
- Design and automate ELT process through script development, while optimizing data processing workflows with stored procedures, reducing processing time by 30% and enhancing overall system reliability.

Afiniti Ltd, Karachi, Pakistan

May 2021 – Jan 2022

### **Data Analyst**

- Spearheaded MySQL to PostgreSQL Greenplum migration initiative, resulting in a 15% improvement in database performance and a 30% reduction in storage costs.
- Developed data pipelines to ingest and transform diverse data from files, databases, and cloud sources achieving a 40% increase in data processing efficiency.
- Crafted intricate SQL queries and stored procedures for data joining and transformation, optimizing query performance by 50%.
- Utilized Python scripting to automate various production processes, streamlining workflow execution and reducing manual effort by 20%.

**Business Intelligence Consultant**

- Spearheading dimensional modeling of Data Lake for HBL Bank, Pakistan's largest bank, resulting in a 20% improvement in data accessibility and a 25% reduction in query response time.
- Created multi-dimensional cubes with SSAS to support report and dashboard development in PowerBI for senior management, enhancing data visualization capabilities by 30% and improving decision-making efficiency by 40%.

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**EDUCATION**

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University of Siegen, Siegen, DE 2024

**Masters in Computer Science**

National University of Computer and Emerging Sciences (FAST-NUCES), Karachi, Pk 2019

**Bachelors in Computer Science**

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**SKILLS & OTHER**

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Skills:

- Strong knowledge of SQL and databases with experience in MySQL, and PostgreSQL Greenplum.
- Programming Languages: Python
- Data Integration Tools: Talend
- Data Analysis: SSAS, SSRS, Google Cloud Platform
- Data Visualization Tools: PowerBI, Tableau, Looker Studio
- Data warehouse, Big data, Databricks and IBM Cognos

Projects:

- Improving the Robustness of a Deep Learning Classifier through Homogenization of Multiple Datasets by Developing a Comprehensive Pre-Processor.
- HBL Revenue Tracking Dashboard was used to measure all the sectors of HBL along with their top-notch features. I got the opportunity to develop the first dashboard for Revenue Tracking which portrays statistics for all the sectors of a bank i.e. Mobile banking and Internet Banking etc. Tools used were Impala (Data Lake), SQL Server, SSAS Cube, and Power BI.

Certifications:

- Introduction to R (Master the basics of data analysis by manipulating common data structures).
- Knowledge Check: Get Started with Databricks for Data Engineering.
- Complete Cognos Analytics Training Course.