




A K M Rubaiyat Reza Habib

Database Analyst | Data Analyst | AI Enthusiast

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Summary

Results-driven Data enthusiast with expertise in database design, ETL optimization, and data visualization. Proven success in improving operational efficiency, delivering actionable insights, and building secure, scalable data solutions. Skilled in collaborating with cross-functional teams to solve complex business problems and drive data-informed decision-making.

Experience

Database Analyst, State of Arkansas (Workers' Compensation Commission) 08/2024 – present | Little Rock, AR

- Designed, developed, and maintained database systems (tables, queries, reports) to meet large-scale application needs.
- Optimized SSIS ETL pipelines to process 200K+ records, improving data flow efficiency by 60% and reducing processing time to under an hour.
- Implemented Always Encryption with data masking, incorporating encryption/decryption logic in ASP. NET applications using the Windows Certificate Store for secure key management.
- Automated routine administrative tasks and database maintenance processes using PowerShell scripting.
- Delivered 10 comprehensive reports and dashboards, cutting report generation time by 40%.

Data Analyst, Algorizin, Inc 09/2023 – 08/2024 | New York, NY

- Developed 10 Power BI dashboards using DAX, increasing customer retention by 33% and reducing reporting time by 80%.
- Analyzed social media engagement with Tableau, growing international student followers by 5,000 in two months.
- Created Power BI dashboards for 250 OPT students, enabling real-time decision-making.
- Automated skill identification with Python, reducing job search time by two weeks while managing workflows using Jira and ClickUp.

Graduate Research Assistant, Arkansas Tech University 08/2023 – 05/2024 | Russellville, AR

- Developed and optimized 8 machine learning models for breast cancer detection, achieving 98.4% accuracy with the best model.
- Authored two research papers on combating fake profiles and misinformation in social media and enhancing breast cancer detection.
- Led the implementation of Python solutions with TensorFlow, Pandas, NumPy, and Scikit-Learn.

Data Specialist Intern, Goodwill Industries of Arkansas 05/2023 – 08/2023 | Little Rock, AR

- Extracted and cleaned 500K rows of data using SQL(DAX), ensuring accuracy and delivering reliable insights.
- Developed 5 interactive Power BI dashboards, improving monitoring efficiency by 70%.
- Utilized Visio for process mapping and SharePoint for centralized data/document management, streamlining collaboration.

Data Analyst, PANDA 12/2020 – 12/2021 | Dhaka, Bangladesh

- Managed 500 NGO records, analyzing demographics to boost attendance by 70 and engagement by 40%.
- Developed custom Google Sheets tools for trend tracking, impacting over 10,000 beneficiaries.
- Coordinated projects and deliverables using Trello and Google Workspace tools to enhance operational efficiency.

Skills

Technical: Python, SQL, R, SAS, SQL Server, PostgreSQL, Power BI, Tableau, Excel, SSRS, SSIS

Cloud Technologies: AWS (S3, RDS, Redshift)

Professional: Data Modeling, ETL Optimization, Data Warehousing, Dashboard Development, Machine Learning, Requirement Gathering, Project Management, Presentation

Education

MS in Information Technology, Arkansas Tech University

GPA: 4.0 | Summa Cum Laude | Graduate Assistant | Graduate Tutition Waiver | Harold and Jackie Neal Scholarship.

BSc in Electrical & Electronics Engineering, North South University

Certificates

- Google AI Essentials