

Md Ikbal Hossain

Denver, CO | (605) 653-0476 | ikbalhossain112@gmail.com | Click for LinkedIn | Click for Portfolio

OBJECTIVE

Driven data analyst seeking a role to implement innovative solutions and foster collaboration. Proficient in SQL, Python, machine learning, and ETL development. Committed to end-to-end design and testing, working closely with stakeholders to deliver visionary business intelligence. Motivated to enhance flow and optimize financial processes in a fast-growing, entrepreneurial enterprise. Passionate about leveraging information technology and analytics applications for continuous innovation.

SKILLS

- **Programming:** Python, R, C, Java
- **Predictive Modeling:** ML, AI
- **Data Visualization:** Power BI, Tableau, Google Studio
- **Database:** SQL, NoSQL, PostgreSQL, MySQL

WORK EXPERIENCE

Data Technician | Titan Fittings | Denver, CO June 2023 – August 2023

- Automated reporting, achieving **95%** time savings on manual tasks using Python.
- Integrated Google Analytics data into Google Data Studio, resulting in a **30%** increase in data-driven insights.
- Improved data cleaning and structuring by **40%** across four e-commerce sites with Python and excel.
- Managed four e-commerce websites with a **99%** accuracy rate.
- Collaborated cross-functionally to define project requirements, consistently meeting timelines.

Data Analyst | Liam Fresh Fruits | Dhaka, Bangladesh May 2020 - July 2021

- Employed Power BI for data visualization, resulting in a **25%** improvement in decision-making.
- Conducted market research, aiding a **\$55,000** Q3 revenue launch of a new product.
- Collaborated cross-functionally, achieving **20%** sales growth by targeting a new customer segment, boosting profitability.
- Optimized data retrieval and analysis using SQL, improving efficiency by **30%**

PROJECTS & PUBLICATION

- **Bikeshare Case Study** - Analyzed 400,000+ entries using Excel, R, SQL, and Tableau to provide strategic recommendations for a bike-sharing company's marketing team to increase annual membership by converting casual riders.
- **SQL Challenge by Data with Danny** – Utilized advanced SQL techniques such as JOINS, Subqueries, Window Functions, etc. to optimize problem-solving approach and efficiently extract valuable insights.
- **Stock Price Prediction** - Applied machine learning model to forecast stock prices based on historical data and market trends, achieving an 18% increase in portfolio returns.
- **Payroll Management System** - Developed a Payroll Management System using PHP and MySQL to automate payroll processing and simplify the accounting of employee salaries, deductions, allowances, and net pay.
- **Publication: In-Depth Analysis of Lung Disease Prediction Using Machine Learning Algorithms** - Researched lung diseases and predicted their likelihood using machine learning algorithms, achieving up to 90.15% accuracy.

EDUCATION

MSc in Computer Science August 2021 - May 2023

University of South Dakota | Vermillion, SD

BSc in Computer Science and Engineering January 2015 - April 2020

North South University | Dhaka, Bangladesh

CERTIFICATIONS

- **Google Data Analytics by Google** | Coursera