

# Shafi Imran

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## Education

Business & Technology Management | Islamic University of Technology (IUT), Gazipur, Bangladesh

## Technologies

- **Programming Language:** Python, SQL
- **Analytical Tools:** Power BI, Excel
- **Database:** MySQL, PostgreSQL
- **Libraries & Frameworks:** Scikit-Learn, TensorFlow, Pandas, Numpy, Matplotlib, Fast API, Streamlit

## Professional Experience

**AtliQ Technologies** - Data Analyst (Virtual Internship) [Link](#)

Apr 2025

- Successfully completed a 4-week virtual internship with AtliQ Technologies in the capacity of a data Analyst Intern-Throughout the course of this internship.
- I displayed exemplary dedication and skill by successfully executing a diverse range of tasks including, but not limited to: Data Cleaning, Data Validation, Reporting

## Project Experience

**Health Insurance Prediction** - [Python | Scikit-learn | Pandas | Numpy | Matplotlib | Streamlit] [Link](#)

Mar 2025

- Worked on a 50,000-row, 14-feature health insurance dataset to predict annual premium amounts and deploy a live ML web application
- Built a complete ML pipeline covering EDA, data cleaning, feature engineering, model training, error analysis, and deployment
- Conducted error analysis revealing poor performance ( $R^2 = 0.60$ ) for applicants aged under 25. Applied model segmentation (Linear Regression for under 25, XGBoost for 25+), added 'genetical risk' feature boosting  $R^2$  from 0.60 to 0.988, and deployed full preprocessing pipeline on Streamlit Community Cloud
- Live at - [ml-health-insurance-predict.streamlit.app](https://ml-health-insurance-predict.streamlit.app)

**Expense Tracking System** - [Python | SQL | Fast API | Streamlit] [Link](#)

Nov 2024

- There are times when we struggle to recall in which places we spent our money. A tracking system could help manage expenses and savings
- Developed an analytics frontend where users can store/update their expenses. Users can also generate analytics of their expenses by month and expense category
- This system eliminates the uncertainty of tracking expenses over the past months or days, enabling users to improve their savings by 10-15%.

**Business Insights 360** - [Power BI | Power Query | DAX] [Link](#)

Dec 2024

- An interactive dashboard for Atliq Hardware using Power BI that can help stakeholders make data-driven business decisions
- Dashboard includes 5 different views (Finance, Sales, Marketing, Supply Chain, Executive). Each view is specialized for different sectors of business. It is also connected with the company's database with more than 1.8 million sales record
- This enabled Atliq Hardware to analyze department sales trends driving a projected 10% revenue acceleration and a 20% reduction in data-related expenses.

## Certifications

- Supervised Machine Learning: Regression and Classification | Stanford Online - [Link](#)
- Advanced Learning Algorithms | Stanford Online - [Link](#)
- Data Analytics Bootcamp | Codebasics - [Link](#)
- Mathematics for Machine Learning and Data Science - [Link](#)
- Python: Beginner to Advanced For Data Professionals | Codebasics - [Link](#)
- SQL Beginner to Advanced For Data Professionals | Codebasics - [Link](#)
- Get Job Ready: Power BI Data Analytics for All Levels 2.0 | Codebasics - [Link](#)

## Other Activities

- Solving data related problems in DataLemur, Hackerrank
- Books read - "Storytelling with Data" by Cole Nussbaumer Knaflic