



# SHEIKH MD SALMAN FARSI

## Work Experience

### AI Developer

Join Venture AI

July 2025 – Present

Developed and deployed high-performance AI/ML models using advanced preprocessing and feature engineering. Specialized in RAG systems, LLMs, chatbots, and NLP tasks. Integrated AI via APIs, ensuring ethical practices and data privacy. Collaborated cross-functionally with strong communication skills to deliver practical, real-world AI solutions.

## Research Based Projects

This section presents a series of data science projects conducted for research purposes, demonstrating my ability to analyse complex datasets, apply machine learning and Deep learning techniques, and generate actionable insights to address real-world challenges using Machine Learning, Deep Learning & NLP.

- **A Comparative Framework of Ensemble ML, LSTM, and BERT with Explainable AI for Feminism-Oriented Sentiment Classification in Bangla.** This research addresses abusive and sentiment-laden comments on feminism in the Bangla language—a resource-poor context in NLP. You propose a robust framework combining classical ensemble machine learning models (like Random Forest, XGBoost), LSTM for sequential deep learning, and BERT for rich contextual embeddings. **[Research Defence Remained]**
- **Enhancing the reliability of cardiovascular disease prediction applied explainable AI (XAI) & deep learning feature extraction techniques** to improve diagnostic interpretation and model transparency for cardiovascular disease prediction.
- **Statistical survey on women empowerment based on sex preference during pregnancy based on ML & (XAI).** Conducted a statistical analysis using local data from Dhaka, Bangladesh to explore the relationship between sex preference and women's empowerment with various ML models.

## Data Analysis Projects

This data analysis project showcases my ability to extract, clean, analyse, and visualize data using tools like Python, SQL, Power BI, and Advanced Excel, with the goal of uncovering actionable insights and supporting data-driven decision-making.

## Contacts



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## About Me

Seeking a career in a growth-oriented organization that values hard work, sincerity, and analytical skills. Passionate about machine learning, deep learning, and web development, with strong skills in Python, Power BI, Excel, SQL, data science and analysis.

## Education

### Computer Science & Engineering

Southeast University

2021 - 2025

**CGPA: 3.81**

### Higher Secondary School Certificate (HSC)

BAF Shaheen College, Dhaka

2017 - 2019

**Field of Study: Science, GPA: 4.33**

### Secondary School Certificate (SSC)

Monipur High School, Dhaka

2007 - 2017

**Field of Study: Science, GPA: 5.00**

## Training Courses

- **Data Science & Machine Learning with Python & R**  
From: Data Solution 360 (Current)  
April, 2025
- **Data Analyst Job Ready Program**  
From: Data Solution 360  
January, 2024
- **Full Stack Web Development**  
From: Shikhbe Shobai  
June, 2022

- **Sales Order Analysis Dashboard – Power BI Project** Created an interactive Power BI dashboard with bar, pie, line, and map visuals to analyze sales, profit, and regional performance. Used DAX to calculate totals, apply filters, and generate dynamic KPIs.
- **Developed a Power BI dashboard using sales order data to visualize key business metrics.** Built a Power BI dashboard to track unit price by region and product, total revenue by region with median income, and total profit by year and quarter using clear, interpretable visuals and DAX measures
- **Comprehensive Sales Dashboard with Executive & Regional Insights – Power BI** Designed a multi-page Power BI dashboard including Executive, Home, Sales, and Regional views. It offers a complete overview of sales performance, enabling data-driven decisions through interactive visuals and KPIs.
- **E-commerce Sales Report Dashboard – Advanced Excel** Built a dynamic sales dashboard using Advanced Excel to track e-commerce performance, including revenue, order trends, and product-wise sales insights with interactive charts and pivot tables.
- **Sales Insights Dashboard – Advanced Excel** Developed a sales dashboard in Advanced Excel using Bangladesh map, waterfall chart, pie chart, and line graphs to visualize sales trends and performance. Note: The Bangladesh map is viewable offline only.
- **Data Analysis Projects with MySQL/Postgresql Workbench** Performed various analyses using MySQL on datasets including employee records, company operations, and web analytics. Focused on writing optimized queries, data extraction, and generating insights through structured database exploration.

## Academic Projects

Completed a range of academic projects focused on web development, graphics programming, hardware integration, and database management. These projects showcase hands-on experience with various tools, languages, and technologies.

- **Web-based House Rental Management System** using HTML, CSS, Bootstrap, JavaScript, PHP
- **3D Classroom Simulation using C, OpenGL, and GLUT**
- **Air Defense Radar System using Arduino Uno** (servo, laser, buzzer, ultrasonic sensor) with object detection in Java
- **Developed a Basic PHP CRUD Project featuring functionalities** such as data insertion, displaying all records, updating and deleting data using a dropdown, searching by name, generating reports based on age range, and implementing a user login system.

## Technical Skills

- **Data Science:** Machine Learning, Deep Learning, Model Training, Data Preprocessing, Model Evaluation, XAI (SHAP & LIME)
- **Data Analysis:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, Power BI, Advanced Excel, Statistical Analysis, Data Cleaning, Dashboarding
- **Web Development:** HTML5, CSS3, Bootstrap, JavaScript, PHP, Responsive Design, WordPress, Frontend & Backend Integration

## Professional Skills

- **Hard working, sincere and eager to learn.**
- **Knowledge of Linux & windows platform.**
- **Strong desire to achieve results.**
- **Ability to take responsibility.**
- **Strong academic background and analytical ability.**

## Language

- **Bangali,** Best in Reading, Writing and Speaking.
- **English,** Good in Reading, Writing and Speaking.

## References

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