SHADMAN RAHMAN

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🔗 Portfolio Website: https://shadmanrahman1.github.io/portfolio/

🔗 LinkedIn: linkedin.com/in/shadman-rahman-offical17

🔗 Kaggle: kaggle.com/shadmanrahman1

🔨 PROFILE SUMMARY

Biomedical Engineering undergraduate with hands-on experience in AI/ML, especially in NLP and tabular data analysis. Skilled in Python, Streamlit, LangChain, and deep learning frameworks. Built multiple ML projects including biomedical chatbots, recommendation systems, and prediction models. Passionate about solving real-world problems through machine learning and continually expanding technical knowledge.

🧠 TECHNICAL SKILLS

• **Programming & Tools**: Python, Git, C, MATLAB

• **Machine Learning & AI**: scikit-learn, TensorFlow, PyTorch (basic), Transformers, LangChain, FAISS

• **Data**: Tabular ML, NLP, Feature Engineering, EDA, SQL, NoSQL (MoggoDB basic), REST APIs

• **Libraries**: Hugging Face, Pandas, NumPy, Matplotlib, Streamlit, BIOPAC, BSL

• **Visualization & Deployment**: Power BI, Streamlit, Streamlit Cloud

📂 PROJECTS

◆ **Biomedical Chatbot with LangChain & FAISS (2025)**

• Developed an AI chatbot capable of answering domain-specific biomedical queries using LangChain and vector search with FAISS.

◆ **Math Equation Animation Generator (2025)**

• Built a tool to convert LaTeX math equations into animated educational videos using Python and Manim.

◆ **Multiple Disease Prediction System (2025)**

• Created a web app using Streamlit for predicting diseases like diabetes and heart disease using ML classification models.

◆ **Kaggle Competitions**

• **Titanic - Survival Prediction**: Performed EDA, feature engineering, and built classification models.

• **Advanced House Price Prediction**: Used regression techniques to predict housing prices from structured data.

🗎 CERTIFICATIONS

• Machine Learning Specialization (Supervised Machine Learning: Regression and Classification, Advanced Learning Algorithms, Unsupervised Learning, Recommenders, Reinforcement Learning) - DeepLearning.AI, Stanford | 2025

• Neural Networks And Deep learning, Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization – DeepLearning.AI, Stanford | 2025

• Data Analysis with Python (IBM) | 2025
• Databases and SQL for Data Science with Python (IBM) | 2025
• Machine Learning with Python (IBM) | 2025

💼 EXPERIENCE

Project Executive | 10 Minute School | 2023 – 2024

- Contributed to content assurance and review for digital educational materials

- Collaborated with a team of 10+ members to maintain content quality

Junior Executive | KUET Career Club | 2023 – Present

- Organized career development seminars and networking events

Script Evaluator | Udvash | 2022 – 2023

- Evaluated academic scripts and managed class material logistics

🎓 EDUCATION

BSc in Biomedical Engineering
Khulna University of Engineering & Technology (KUET) | 2023 – Present

HSC
Savar Cantonment Public School & College | 2019 – 2022