# Sajal Bhuiyan

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LinkedIn | GitHub | Portfolio

## About Me

Aspiring **Data Scientist** passionate about applying **Machine Learning, Artificial Intelligence, and Data Analytics** to solve real-world problems. Skilled in **Python, data preprocessing, predictive modeling, and visualization**. Developed several AI-driven applications and earned multiple **Dean's and VC Awards** for academic excellence. Aiming to build intelligent, data-driven systems that make a meaningful impact.

## Education

**B.Sc. in Computer Science and Engineering**, Green University of Bangladesh            2022 – Present
(Expected Graduation: 2026)
CGPA: **3.87 / 4.00**
Dean's and VC Award Recipient (6 times)

## Thesis

**A Deep Learning Approach for Skin Disease Detection and Classification Using Image Segmentation**
(Ongoing)

## Technical Skills

- **Programming:** Python (Pandas, NumPy, TensorFlow, Matplotlib, Seaborn, Plotly, Streamlit), C++, Java, C
- **Machine Learning / AI:** Regression, Classification, Clustering, KNN, CNN, Decision Trees, Random Forest, Gradient Boosting, XGBoost, SVM, Naive Bayes; Feature Engineering; Hyperparameter Tuning; Model Evaluation
- **Data & Databases:** SQL, MySQL, Database Design
- **Version Control & Tools:** Git, GitHub
- **Learning:** Continuously improving ML and Data Science skills

## Soft Skills

Hard working | Quick learner | Active listener | Teamwork | Adaptability

## Projects

- **Personalized Movie Recommendation System:** Hybrid recommendation engine with GUI using Python and TMDB API.
  GitHub | Live Demo
- **Churn Prediction:** Predictive app to identify customers likely to leave. Features automated EDA, model training, churn probability charts, and key factor insights.
  GitHub | Live Demo
- **Smart Data Explorer & Predictor:** Interactive Streamlit app for data exploration and predictive modeling with feature selection, multi-model training, and downloadable reports.
  GitHub | Live Demo

## Certifications

- DataCamp Data Science Program – Ongoing (2025)
- BongoDev Data Science – Completed (2025)
- EDGE Bangladesh: Python (Django) – Completed (2024)

## Competitive Programming

**LeetCode:** SajalAhmedakram — actively practicing algorithms and problem-solving.
**Codeforces:** Sajal_Bhuiyan — beginner-level problem-solving and contests.

## Languages

**Bangla:** Native
**English:** Conversational