Estiyak Rubaiat

Address: 244-04 Abhwa Office Road, Tangail Sadar,
Tangail, Bangladesh
E-mail: Rubaiat.estiyak@gmail.com
Mobile: +8801752094290
GitHub: https://github.com/Estiyak-rubs
LinkedIn: Estiyak Rubaiat

Profile:

Computer Science student specializing in **Machine Learning, AI, and NLP** with strong foundations in **Python, C++, and C#**. Experienced in developing **predictive modeling** and **sentiment analysis** solutions, with **two accepted research publications** showcasing applied AI methods. Skilled in **data visualization, business intelligence, and full-stack development**. Passionate about applying AI/ML to **real-world challenges** while pursuing **research-driven innovation**. Proven leadership as **Founder & President of IBE Blood Donation**, demonstrating commitment to **teamwork, problem-solving, and community service**.

Educational Background:

Secondary School Certificate || *Bindubasini Government Boys High School, Tangail*   **2017 – 2018**
- GPA: 4.78

Higher Secondary Certificate || *Shahid Mamun Mahmud Police Lines School & collage, Rajshahi*   **2019 – 2020**
- GPA: 5.00

Bachelor of Computer Science and Engineering || *American International University-Bangladesh*   **2022 – February 2026 (Ongoing)**
- CGPA: 3.69

Skills:

Programming Languages: Python (Advance), C/C++ (Intermediate), C# (Intermediate), R (Basic), Assembly Language (Basic), Java (Basic), Linux(Basic).
Tools & Platforms: PowerBI, Colab, Github, Visual Studio, IDE, AutoCAD.
ML / AI: ML, AI, NLP, DL, PyTorch, TensorFlow, Scikit-Learn.
Database: MySQL, Oracle.
Web Development: HTML5, CSS3, JavaScript (Basic), PHP(Basic).
Other Skills: Time Management, Communication, Adaptability, Photography, Leadership (Intermediate).

Work Experience:

Intern || *Future Intern (Remote)*   **June 2025 – July 2025**
- **Data Modeling & Architecture:** Designed and implemented structured data models, establishing clear relationships between datasets to support business intelligence initiatives.
- **ETL (Extract, Transform, Load) Processes:** Automated and optimized data cleaning, transformation, and preparation workflows using Power Query, ensuring seamless integration and high-quality datasets for analysis.
- **Advanced Data Analysis with DAX:** Developed sophisticated DAX formulas to drive complex calculations, enabling the creation of advanced KPIs and actionable insights for key stakeholders.
- **Visualization & Dashboard Creation:** Built dynamic, interactive dashboards in Power BI, transforming raw data into visually compelling and easy-to-understand business insights for decision-makers.
- **Business Intelligence Solutions:** Leveraged data visualization and analysis to provide actionable insights, facilitating data-driven decision-making and enhancing business strategy formulation.
- **Problem-Solving & Optimization:** Delivered tailored solutions through data analysis, addressing critical business challenges and improving efficiency across departments.
- **Natural Language Processing (NLP):** Applied NLP techniques to preprocess and analyze unstructured text data, extracting valuable insights for data-driven business strategies.

Projects:

- **MediLife Pharmacy Management System.**   **June 2025**
  Developed a Java-based desktop system for **medicine inventory, patient records, and staff profiles.** Implemented **secure login authentication** and designed efficient text-based storage modules. Improved **data accessibility** and usability through a **GUI with integrated visuals.**
  Technologies: Java, Swing/AWT, Text File Storage
- **Fruit Business Database Management System.**   **December 2022**
  Built a database-driven system to manage sellers, customers, and transactions. Normalized ER models up to **3NF**, **ensuring data integrity and 0% redundancy**. Designed relational tables and executed **advanced SQL queries** (joins, subqueries, views) for efficient reporting.
  Technologies: SQL, Oracle, ER Modeling

- **Old Age Home Care.**   **April 2024**
  Created a comprehensive care management system with **real-time health tracking** and **secure communication tools.** Enhanced staff efficiency via **automated scheduling** and streamlined billing. Adopted **Agile Scrum**, achieving **high usability across devices.**
  Technologies: Android Development, Firebase, UI/UX, Agile (Scrum)
- **Dynamic Mountain View – Computer Graphics Project.**   **July 2024**
  Developed a **3D interactive** simulation featuring **day-night cycles, moving trains,** and **speedboats**. Applied transformations, shading, and rendering for **realistic 3D visuals.**
  Technologies: OpenGL, GLUT, C++
- **FreeMarket – Freelancing Marketplace.**   **November 2024**
  Designed a platform where clients post projects and freelancers bid. Implemented **secure authentication** and an **admin dashboard** for site management. Planned features include **real-time messaging and payment gateways.**
  Technologies: HTML5, CSS3, JavaScript, PHP, MySQL
- **E-Commerce Dashboard with Power BI.**   **June 2025**
  Created an interactive dashboard tracking **$20.79M revenue, 5,882+ customers**, and **85% European market share**. Enabled stakeholders to monitor **monthly growth** trends and make **data-driven** strategic decisions.
  Technologies: Power BI
- **Social Media Campaign Analysis with Power BI.**   **June 2025**
  Analyzed ad campaigns with **CTR 19.31%** and **ROI 8.80**. Identified top-performing ads and recommended optimizations. Delivered an interactive dashboard to improve future **marketing performance**.
  Technologies: Power BI, Excel
- **Student Feedback Analysis with Power BI & Python.**   **July 2025**
  Processed student feedback (CSV) with **Python sentiment analysis**. Built a Power BI dashboard that visualized **rating distributions** and **sentiment trends**, **identifying key** satisfaction drivers.
  Technologies: Python (pandas, matplotlib, seaborn), Power BI

Publication:

- **Title: Evaluating Machine Learning Models for Crop Yield Prediction (Accepted):** Compared ML models (Linear Regression, Random Forest, XGBoost) using tuned **parameters** and **cross-validation, highlighting key yield** factors via performance metrics and visualizations.
- **Title: Real-Time Review Analysis with a Sentiment-Integrated Hybrid LDA Approach (Accepted):** Developed **a hybrid LDA model with BERT-based sentiment analysis**, achieving improved **coherence** and **perplexity** while offering sentiment-rich topic insights for short-text reviews.

Extra-Curricular & Volunteer Activity:

- **General Member | AIUB Computer Club** – Organized AIUB CS Fest (2024), AIUB Cyber Gaming Fest (CGF 2022), recruitment drives, seminars, workshops, and webinars.   **2022– Ongoing**
- **Executive | BASIS Students' Forum, AIUB Chapter** – Volunteered at NASA Space Apps Challenge (2023); organized seminars, workshops, and webinars.   **2023– 2025**
- **President | IBE Blood Donation** – Led health camps and blood donation drives; managed emergency blood call operations.   **2018 – Ongoing**
- **Volunteer | National STEAM Olympiad** – Contributed to project exhibitions, workshops, bootcamps, and talent fusion events.   **2024**
- **General Member | Shishuder Jonno Foundation** – Organized Bioscope3 (2019), health camps, and Eid festival camps.   **2017 – 2021**

Honors & Awards:

- **Runner-Up, Junior Category** | Photography Contest, **Jarvis AIUB Computer Club, Spring 2023-2024**
  Awarded second place in the Junior Category of the Photography Contest organized by Jarvis, AIUB Computer Club, among 100+ participants.

References:

- **DR. Abdus Salam**
  Associate Professor
  Department of Computer Science
  American International University-Bangladesh (AIUB)
  Dhaka, Bangladesh
  abdus.salam@aiub.edu

- **Md. Faruk Abdullah Al Sohan**
  Lecturer
  Department of Computer Science
  American International University-Bangladesh (AIUB)
  Dhaka, Bangladesh
  faruk.sohan@aiub.edu