

Obidur Rahman

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🔗 [Ashfinn](#)

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Technical Blog



www.ashfinn.github.io

EDUCATION

University of Chittagong

2023–2027

BSc in Mathematics, Bangladesh

- **Relevant Coursework:** Advanced Calculus, Linear Algebra, Statistical Learning, Numerical Analysis

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, JavaScript, HTML, CSS
- **Machine Learning:** scikit-learn, Pandas, NumPy
- **Tools:** Git, Streamlit, Matplotlib, Plotly, Firebase, LaTeX

PROFESSIONAL EXPERIENCE

Software Engineering Fellow, Headstarter AI

Aug 2024

- Led design and development for five full-stack web applications as Project Manager.
- Integrated Firebase for secure authentication and real-time database management.
- Utilized Git for version control and collaborated effectively with a team of four developers.

Technical Content Creator & Educator

2023–Present

- Created 10+ educational videos ([YouTube](#)) on ML and mathematics and other technical topics
- Published 13 technical articles ([Blog](#)) with 1,000+ total reads on topics including Python, ML, and cloud

TECHNICAL PROJECTS

Environmental Determinants of Diarrheal Disease

[Live Demo](#) — [GitHub](#)

- Developed and evaluated multiple regression models (linear regression, random forest, SVR, decision tree, gradient boost) including exploring the impact of lagged features (0-7 days) and achieved the best performance with gradient boost, optimized with 4-day lagged features (MSE: 527.27, R^2 : 0.2936)
- Successfully analyzed time-series data across four major divisions identifying key correlations and insights
- Designed and built an interactive dashboard with dynamic visualizations
- **Technologies:** Python, scikit-learn, Pandas, NumPy, Matplotlib, Plotly

IMDB Sentiment Analysis Engine

[Live Demo](#) — [GitHub](#)

- Built an NLP model for sentiment analysis on 50,000 IMDB reviews with high accuracy.
- Developed a responsive web interface with real-time analysis
- **Technologies:** Python, scikit-learn, NLTK, Streamlit, NLP.

LEADERSHIP & COMMUNITY IMPACT

Founder & Community Lead, The Code Forum

2023–Present

- Built and scaled a tech community to 100+ active members across multiple programming tracks
- Established structured mentorship program with 5 specialized learning paths

AWARDS & ACHIEVEMENTS

First Place, Digital Innovation Fair

2018

- Presented an innovative Drug Addiction Recovery System, selected among 100+ projects.
- Featured in a national newspaper for an innovative and impactful approach to recovery from addiction.