Mirza Naeem Beg

Dhaka, Bangladesh | mirzanaeem278@gmail.com
LinkedIn: linkedin.com/in/mirza-naeem-beg | GitHub: github.com/naeembeg
Website: naeembeg.github.io

SUMMARY

Dedicated Computer Science & Engineering undergraduate with a strong foundation in mathematics and programming, actively pursuing interests in AI/ML research and development. Experienced in NLP fundamentals and text preprocessing techniques such as tokenization, stemming, lemmatization, and stop word removal etc. Enthusiastic about exploring advanced mathematical concepts in machine learning and contributing to innovative AI research. Also focusing on understanding large language models and their applications while maintaining a regular practice of reading and analyzing research papers.

EDUCATION

AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY   Dhaka, Bangladesh
B.Sc. in Computer Science & Engineering   Expected March 2026
3rd Year 2nd Semester | Current CGPA: 3.0+ / 4.0

MYMENSINGH GOVERNMENT COLLEGE   Mymensingh, Bangladesh
Higher Secondary Certificate (HSC)   2020
GPA: 5.0 / 5.0

PROGRESSIVE MODEL SCHOOL   Mymensingh, Bangladesh
Secondary School Certificate (SSC)   2017
GPA: 5.0 / 5.0

TECHNICAL SKILLS

- **Programming**: Python, C, C++, Java
- **NLP Skills**: Text preprocessing, Tokenization, Stop Words Removal, Stemming, Lemmatization
- **AI/ML Tools**: Google Colab, Jupyter Notebook
- **Mathematics**: Linear Algebra, Calculus, Probability Theory
- **Web Technologies**: HTML, CSS, Bootstrap, TailwindCSS, ReactJS, JavaScript, .NET Core
- **Databases**: MySQL, Microsoft SQL Server, mongoDB
- **Version Control System**: Git, GitHub

AI/ML & RESEARCH

- **Independent Research:** Regularly study **AI/ML research papers**, focusing on **LLMs, NLP, and generative AI** methodologies.
- **Coursework:** Enrolled in the **Machine Learning Specialization** by Andrew Ng on Coursera *(In Progress)*.
- **AI/ML Projects:** Working on **data processing pipelines** and **text-based models** in Python.

UNIVERSITY PROJECTS

BechaKena.Com (E-commerce Platform with Auction Feature)   CSE3100, 2024
- Developed a full-stack e-commerce platform with integrated auction functionality
- Technologies used: HTML, CSS, Bootstrap, PHP, MySQL
- Implemented real-time bidding and robust back-end management
- https://github.com/naeembeg/CSE3100-SD-IV

TrendWave (TikTok Clone) CSE2200, 2024
- Collaborated on developing a mobile application replicating key TikTok features
- Technologies used: Flutter, Dart, Firebase
- Contributed to UI/UX design and Firebase integration

Railway Ticket Management System CSE2100, 2023
- Created a JavaSwing-based ticket booking system with MySQL backend
- Applied object-oriented principles and GUI design

DoomExploder (Action Game) CSE1200, 2022
- Developed an interactive game using C/C++ with iGraphics framework
- Contributed to collision logic, sound implementation, and graphics

COURSEWORK

- **AI/ML & Mathematics:** Artificial Intelligence (current), Mathematical Analysis for Computer Science, Numerical Methods, Math I to V courses
- **Computer Science Core:** Elementary Structured Programming, Object Oriented Programming, Discrete Mathematics, Data Structures, Algorithms, Database, Computer Networks (current), Operating Systems (current).

CERTIFICATIONS & LEARNING

- **Code in Place 2024** – Stanford University *(Completed)* [https://codeinplace.stanford.edu/cip4/certificate/ct21d8]
- **Python Basics & OOP** – HackerRank *(Completed)* [https://naeembeg.github.io/learnings.html]
- **Machine Learning Specialization** – Andrew Ng, Coursera *(In Progress)*
- Firebase, Node JS, Express JS, MongoDB, C#, .NET Core *(In Progress)*
- Deep Learning Specializations by Andrew Ng, Coursera, Machine Learning Crash Course by Google, Elements of AI, CS224n and CS231n by Stanford… *(Planned)*
- **Full Stack Open** – University of Helsinki (*Planned*)

SOFT SKILLS

- Strong mathematical foundation with eagerness to learn advanced concepts
- Research-oriented mindset with focus on AI/ML methodologies
- Good problem-solving and analytical thinking abilities
- Effective communication and collaboration skills
- Self-motivated learner with passion for AI advancement