MD. ATIQUR RAHMAN

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Experience

AI Developer	**Sparktech Agency**	*Dhaka, Bangladesh*	**12/2025 - Present**

- Assisted in building intelligent AI-driven solutions that enhanced automation and decision-making.
- Collaborated with cross-functional teams to deliver optimized models and seamless integrations.

Software Engineer Intern	**Metal Studio Pvt. Ltd**	*Dhaka, Bangladesh*	**08/2025 - 10/2025**

- Assisted in developing an intelligent address parsing system using **Python** and **NLP** to extract structured geospatial data from raw text, accurately identifying landmarks, post offices, and administrative boundaries.

Skills

- Generative AI | NLP | Transformer Models | LLMs | RAG | FastAPI | ChromaDB | AWS | GitHub | Docker | AI Automation | CI/CD
- Python | C++ | Java | C | Django | HTML | CSS | JavaScript | PostgreSQL |
- MS Office | Google Workspace | Power BI | LaTeX | Language: English (Proficient), Bangla (Native) |
- Problem Solving: | **CodeForces** | **LeetCode**: |

Education

Bachelor of Science	**Rajshahi University of Engineering & Technology**	*Rajshahi, Bangladesh*	**02/2019 - 10/2024**

- Major in Computer Science & Engineering
- CGPA: 3.22/4.00

Higher Secondary Certificate	**Sirajganj Govt. Collage**	*Sirajganj, Bangladesh*	**05/2016 - 04/2018**

- Major in Science
- GPA: 5.00/5.00

Secondary School Certificate	**B.L. Govt. High School**	*Sirajganj, Bangladesh*	**01/2014 - 12/2015**

- Major in Science
- GPA: 5.00/5.00

Thesis

- **Sentiment Analysis: A Comparative Analysis of Transformer Models on Twitter Data**
  Explored various Transformer models like BERT, RoBERTa, DIstilBERT & **GPT-2** in capturing sentiment nuances within social media texts
- Book Details Link: **Thesis Book** | **Tools:** Python, Transformer Learning, Numpy, Panda, Tensorflow, Scikit-Learn, Matplotlib |

Projects

- **Question Pair Similarity Classification:**
  Developed an end-to-end Question Pair Semantic Similarity System using Logistic **Regression, ANN, Siamese-LSTM,** and **Transformer models** with comprehensive EDA, preprocessing, tuning, and AUC-ROC–based evaluation.

- **Bilingual Chatbot:**
  Designed and implemented the Bilingual Chatbot (English & Bangla) app that lets you chat with your own PDF documents using **Langchain, Retrieval-Augmented Generation (RAG)** for summarizing, querying, or digging into lengthy files.

- **Tesla Stock Price Forecasting:**
  Devised a comprehensive Stock Price Forecasting Pipeline using **ARIMA** and **LSTM** models, applying rolling-window evaluation and performance metrics like RMSE and MAPE for rigorous model comparison.

- **RAG:**
  Constructed a **FastAPI**-powered **RAG** using **Google Gemini and FAISS**. This application allows users to upload PDF documents, index their content, and ask context-aware questions, as well as chat directly with the LLM.

- **Rock, Paper, Scissors Game:**
  Build a Rock, Paper, Scissors game application using **Python** and the **Tkinter GUI** toolkit. It enables interactive gameplay between the user and the computer, featuring real-time result display and a reset functionality.

Workshops & Certificates

- Python for Data Science**: [IBM PY0101EN: Cognitiveclass.AI]**
- Machine Learning with Python**: [IBM ML0101EN: Cognitiveclass.AI]**
- Natural Language Processing with Attention Models: [DeepLearning.AI - (Coursera)]
- Intro to Amazon Web Services (AWS): [Cybrary.IT)]

Extra-Curricular Activities

Campus Ambassador   **School of Engineers**   *Dhaka, Bangladesh*   **10/2019 - 03/2020**

- Acted as the primary liaison between the organization and the campus community, driving brand awareness and program participation through targeted student engagement strategies and on-ground promotional activities.

Vice President   **SDA, RUET**   *Dhaka, Bangladesh*   **06/2023 - 05/2024**

- Directed executive meetings and organized major alumni ceremonies, managing team activities to ensure successful events that strengthened the bond between current students and graduates.

References

- **Prof. Dr. Md. Ali Hossain**
  Head, Department of Computer Science and Engineering
  Rajshahi University of Engineering & Technology
  Email: ali.ruet@gmail.com | Contact: 01959-600498

- **Md. Abu Kauser Mallik**
  Director, (Finance & Accounts)
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