Mahir Afser Pavel

mahir.pavel@gmail.com | pavel1310699875@gmail.com

116/1 Mohakhali School Road, Gulshan, Dhaka, Bangladesh| September 26, 2001| LinkedIn| GitHub

About

As a recent graduate, I embody the values of integrity and reliability, which guides my professional approach. Driven by a strong thirst for knowledge, I actively seek opportunities to broaden my skills and understanding. I am dedicated to continuous growth, constantly refining my abilities to make meaningful contributions in dynamic work environments. I am particularly interested in roles such as Lecturer, Data Scientist, Machine Learning Engineer, Natural Language Processing Engineer, and Research Assistant/Associate, where I can apply my passion for learning to deliver impactful contributions.

Education

- **Bachelor of Science in Computer Science and Engineering**
  North South University (January 2019 - January 2024)
  CGPA: 3.71 (Magna cum laude)
  Major in Artificial Intelligence Trail
  Specialized courses: Artificial Intelligence, Machine Learning, Pattern Recognition, Neural Networks, Natural Language Processing, Computer Vision, Image processing and Robotics.

- **Higher Secondary Certificate**
  Banani Bidyaniketan School & College, Dhaka, 2018
  Achieved Higher Secondary Certificate with Academic Excellence, securing a GPA of 4.00

- **Secondary School Certificate**
  Banani Bidyaniketan School & College, Dhaka, 2016
  Achieved Secondary School Certificate with Academic Excellence, securing a perfect GPA of 5.00

Work Experience

Research Assistant
North South University, Dhaka, Bangladesh
April 2024 - Present

- Engaged in research activities in the field of Artificial Intelligence, with a focus on Natural Language Processing (NLP), Generative Adversarial Networks (GANs), and Computer Vision (CV).

Notable Projects

- **NSCLC Classification Using DL, CV, NLP** - Researched and implemented lung cancer classification using deep learning, computer vision, and natural language processing techniques. (GitHub Link)

- **Research** - A Cluster-Based search engine to allow users to establish clusters of links and define the data they want the program to scrape. The scraped data is saved in an Elasticsearch index, allowing users to conduct effective searches. (GitHub Link)
- **Tooth Decay Identification Using YOLO Algorithm** - Developed an algorithm based on YOLO for identifying tooth decay in dental X-ray images.
- **More projects available on LinkedIn** - Visit my LinkedIn profile for more projects: LinkedIn

Certifications

- **Communication Masterclass by Tahsan Khan** - Certificate Link

Languages

- English - Fluent
- Bengali - Native

Professional Skills

Technical Skills

- **Programming Languages:** Python, Java, C++, C, PHP, Prolog, Scheme
- **Web Development:** HTML, CSS, JavaScript, Django
- **Database Management:** SQL
- **Version Control Systems:** GitHub
- **Data Analysis and Machine Learning Libraries:** Scikit-learn, TensorFlow, Pytorch, Keras, Pandas, NumPy, Matplotlib, Seaborn, NLTK, SpaCy, OpenCV, Gensim

Software Tools

- **Integrated Development Environments (IDEs):** PyCharm, Visual Studio Code, Codeblocks, Eclipse, Google Colaboratory, Jupyter Notebook, Kaggle
- **Project Management Tools:** Jira, Trello
- **Collaboration Platforms:** Slack, Microsoft Teams
- **Document Typesetting:** Word, Excel, PowerPoint, LaTeX

Interests

- Conducting research in AI field like Natural Language Processing, Machine Learning, Deep Learning ... etc
- Tutoring and mentoring students in computer science concepts
- Participating in Kaggle and AI competitions

References

Available upon request.