

Mahir Afser Pavel

mahir.pavel@gmail.com

116/1 School Road, Mohakhali, Gulshan, Dhaka - 1212, Bangladesh | September 26, 2001 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

About

I am a recent graduate known for my honesty, reliability, and strong desire to expand my knowledge and skills. I am committed to continuous growth and aim 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 leverage my passion for learning to deliver impactful results.



Work Experience

Research Assistant

North South University, Dhaka, Bangladesh

April 2024 - June 2024

- Engaged in research activities in the field of Artificial Intelligence, focusing on Natural Language Processing (NLP), Generative Adversarial Networks (GANs), and Computer Vision (CV).
- Developed and implemented models, increasing research efficiency by 20
- Collaborated with a team to publish findings in peer-reviewed journals.

Education

Bachelor of Science in Computer Science and Engineering

North South University

January 2019 - January 2024

CGPA: 3.71 out of 4.00 (90.06% mark) with Magna cum laude honors

Major in Artificial Intelligence Trail

Relevant Coursework: Artificial Intelligence, Machine Learning, Pattern Recognition, Neural Networks, Natural Language Processing, Computer Vision, Image Processing, Robotics

Higher Secondary Certificate (HSC)

Banani Bidyaniketan School & College

2018

Achieved with Moderate Excellence, securing a GPA of 4.00 out of 5.00

Secondary School Certificate (SSC)

Banani Bidyaniketan School & College

2016

Achieved with Academic Excellence, securing a perfect GPA of 5.00 out of 5.00

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** - Developed 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** (May 2023) - [View Certificate](#)
Enhanced communication skills, including public speaking, negotiation, and effective interpersonal communication.
- **Audited DeepLearning.AI Courses**
Developed comprehensive knowledge and hands-on experience in Machine Learning, Deep Learning, Natural Language Processing, Generative Adversarial Networks (GANs), and Advanced TensorFlow Techniques Specialization.

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:** Git
- **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, Code::Blocks, 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 fields like Natural Language Processing, Machine Learning, and Deep Learning.
- Tutoring and mentoring students in computer science concepts.
- Participating in Kaggle and AI competitions.

References

Dr. Riasat Khan

Associate Professor, Department of Electrical and Computer Engineering
North South University
Email: riasat.khan@northsouth.edu
Phone: +880 1879-992680
[Visit Profile](#)