Sazzad Hussain Farhaan

+880 1685 170845 shfarhaan21@gmail.com linkedin.com/in/shfarhaan github.com/shfarhaan

Career Objective — An AI Developer seeking for PhD opportunities in the fields of Multimodal Learning, with a strong background in AI and a passion for contributing to cutting-edge research and practical applications, I am open to working in diverse domains aligned with the demands of the research objectives.

Recent Experience

Web and More Limited **May 2024 – Present**
AI Developer *Full-time - Remote*
Domain: Image Processing, OCR (Optical Character Recognition) Tasks, Image Denoising, Compression Algorithms.

Omdena, Toronto, Canada **09/2023 – 03/2024**
Machine Learning Engineer *Part-time - Remote*
Domain: Natural Language Processing (NLP), Web Scraping, Computer Vision, Medical Image Analysis.

Creative IT Institute, Dhaka, Bangladesh **12/2021 – 02/2024**
Machine Learning Engineer *Full-time - Onsite*
Domain: Computer Vision, NLP, Relational Agents, Generative AI, Python Programming, Agile.

Fellowship.AI, San Francisco, California, US **10/2023 – 12/2023**
Data Scientist *Fellowship - Remote*
Domain: Large Action Models, AI, NLP, Transformer Architectures, ETL Pipelines.

Choluuk Tech **12/2017 – Current**
Data Science & Digital Solutions Strategist *Freelance - Consultant*
Domain: Data Analysis, Audience Segmentation, Data-Driven Decision Making, Predictive Modeling.

Students Affair Office, ULAB **11/2017 – 04/2019**
Undergraduate Teaching Assistant *Part-time - Onsite*
Domain: Computer Science, Calculus, Programming Languages, Student Advising, Mentoring.

Education

University of Liberal Arts Bangladesh (ULAB) **2016 - 2020**
Bachelor of Science in Computer Science and Engineering
CGPA: 3.33 on a scale of 4.00 [Earned 141 credits]
(Thesis + Project): Natural Language Processing based Quality LMS for Students Evaluation and Engagement Metrics Calculation

Research Experience

Publication

1. Enhancing Student Engagement and Performance Evaluation: An Integrated Approach for Quality Learning Management.
2. Advancing Fish Species Identification in Bangladesh: Deep Learning Approaches for Accurate Freshwater Fish Recognition.

Under Review

1. EquiJob: Using AI to Balance Bias in Job Descriptions.
2. Early-Stage Coronary Artery Disease (CAD) Prediction Using Coronary Angiogram for Stenosis Detection.
3. Bangla Conversational Chatbot to Diagnose and Aid ADHD Among Bangladeshi Adults.
4. Machine Learning-Based Early Detection of Diabetes in the Context of Endocrine Disorders.

Technical Competencies

Programming Languages: Python, C++, MATLAB, Java

Libraries and Frameworks: TensorFlow, Keras, PyTorch, DLTK, OpenCV, Scikit-learn, Scikit-image, NumPy, SciPy, Tesseract OCR, Seaborn, Streamlit, LangChain, SpaCy, FastAI, React Native

Computer Vision: Edge detection, Histogram equalization, Morphological operations, Filtering techniques, Image denoising

Machine Learning & Deep Learning: Supervised learning, Unsupervised learning, CNNs, RNNs, LSTM, Transformer Architectures, Model training, Model evaluation, Parameter tuning

Tools & Platforms: Git, GitHub, DVC, DagsHub, Jupyter Notebooks, Docker, AWS Sagemaker, Roboflow, Data Annotation, LATEX

Web Scraping: Selenium, Beautiful Soup

Soft Skills

Public Speaking, Team Work, Steadiness, Emotional Intelligence, Human Management, Mentoring

ACHIEVEMENT

The Silver Standard Awardee, The Duke of Edinburgh's International Award: Achieved Silver Standard in skill, physical recreation, social welfare, and adventurous activities.

The Bronze Standard Awardee, The Duke of Edinburgh's International Award: Achieved Bronze Standard in skill, physical recreation, social welfare, and adventurous activities.

Vice Chancellor's Honors List Scholarship, Summer 2016: Honors List Scholarship awarded for outstanding academic performance in Computer Science and Engineering Department.

Half Scholarship (3000 USD) from ULAB: Completed the undergraduate degree.

NASA Space Apps Challenge 2018, Top 40, Regional Round: Project - Sustainable Multi-Source Energy Harvesting System: Solar Tracking and Raindrop Kinetic Conversion in a Hybrid Photovoltaic Array.

ULAB Techfest 2019, Champion, Idea Contest: Project - AI Integrated Wellness Tracker: A Comprehensive Mobile Application for Personalized Nutrient Monitoring, Caloric Balance, and Exercise Optimization.

ULAB Techfest 2019, 1st Runner-Up, Poster Display: Project - Acoustic Energy Harvesting in Urban Environments: Converting Noise Pollution into Sustainable Electric Power.