MD ASIF AKRAM

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CAREER OBJECTIVE

Motivated and detail-oriented ***data enthusiast*** with hands on experience in ***analytics, process automation, and early-stage machine learning*** projects. Eager to grow into a skilled ***data scientist*** through continuous learning, experimentation, statistical analysis and data modeling to solve real-world problems and generate actionable insights.

WORK EXPERIENCE

Intern | Data Analyst
Centre for Development Innovation and Practices (CDIP), Digitization Department
June 2025 – September 2025

- Automated manual workflows using Python toolsets to improve operational efficiency.
- Analyzed and interpreted survey data using Python (Pandas, Seaborn, Matplotlib).
- Conducted statistical modeling using Excel and SmartPLS for advanced data insights.

Research & Development Assistant
R & D Lab, National Institute of Engineering & Technology (NIET)
August 2019 – January 2020

EDUCATION

B.Sc. in Computer Science and Engineering
Daffodil International University | *CGPA 3.80*
Graduation Year: 2025

Higher Secondary Certificate (HSC), Science
Alamdanga Govt. Degree College | *GPA 3.42*
Year of Completion: 2020

SKILLS

Data Handling

- Advanced Excel
- MySQL *(Intermediate)*
- Power BI *(Basic)*

Programming Language

- Python *(Intermediate)*
- C/C++ *(Intermediate)*
- Java *(Basic)*
- HTML & CSS

Tools

- VS Code
- Git/GitHub
- Jupyter Notebook
- Canva *(Proficient)*
- Figma *(Basic)*

PROJECTS & PUBLICATIONS

Dementia Detection from Voice & Text: Extracted MFCCs, ZCR, Pause, Jitter etc. features from voice and TF-IDF feature from text; implemented ML and DL models to detect early signs of dementia.
Tools: *Python, Librosa, Pytorch, Pandas, Scikit-learn, TensorFlow, Audacity*

Sentence Auto-Completion for Dementia Patients: Developed a language assistance tool using Whisper 2.0 (Hugging Face) for speech-to-text conversion and Bi-LSTM to complete partial sentences to aid memory-impaired patients. *(Journal submission under review)*
Tools: *Python, Bi-LSTM, Whisper 2.0, BanglaASR, TensorFlow.*

CO_2 Injection Analysis: Analyzed CO_2 injection time series data to understand historical trends and predict future injection rates using forecasting models, aiding environmental monitoring efforts.
Tools: *Python, Numpy, Pandas, Matplot, Seaborn, Scikit-learn.*

Live Emotion Detection: Built a real-time emotion recognition system using a CNN model trained on facial expression datasets. The system detects 7 different emotions through webcam input, enabling instant feedback.
Tools: *OpenCV, TensorFlow, Keras.*

OTT Platform Sentiment Analysis: Collected and preprocessed viewer reviews from various OTT platforms using web scraping. Applied RF, XGBoost, LSTM, and Bi-LSTM to classify audience sentiment and uncover content-driven trends.
Publication: *"A Comparative Analysis Between Algorithms Based on Sentiment Analysis from Various OTT Applications", ICCECE, Feb 2024, https://doi.org/10.1109/ICCECE58645.2024.10497229.*

Technology Acceptance Survey Analysis: Conducted analysis on survey data using the UTAUT model to understand user acceptance of technology. Used Python for data processing and SmartPLS for structural equation modeling and hypothesis testing.
Tools: *Python, Pandas, SmartPLS, SEM, TAM/UTAUT2.*

LEADERSHIP & VOLUNTEER EXPERIENCE

Editor
Rotaract Club of Daffodil International University
2024-2025 Session

Executive Member | ACM Wing
Computer and Programming Club of Daffodil International University
2021-2023

TRAINING & CERTIFICATES

Data Analyst and Job Ready Bootcamp
Data Solution 360 | January 2025 - Present
Focus: *Excel, Power BI, Statistics, SQL, Visualization, Data Wrangling, Projects.*

National Skill Standard Basic
Bangladesh Technical Education Board | April 16 – September 16
Focus: *MS Office & Typing*

https://sites.google.com/diu.edu.bd/asif-akram?usp=sharing
https://github.com/AKbabes?tab=repositories
https://www.linkedin.com/in/asifakram007/