MD. SHAKAWAT HOSSAIN FARAVI

01719-269328 alfaravi17@gmail.com shakawat-hossain Al-Faravi My Portfolio

Skills

Programming Languages: Python (Primary), C, Java, SQL
Machine Learning & Deep Learning: TensorFlow, Keras, Transfer Learning, Grad-CAM, OpenCV
Databases: MySQL, MongoDB
Tools & Technologies: Git & GitHub, Postman.

Education

Green University of Bangladesh **March 2021 – January 2025**
B.Sc. in Computer Science and Engineering *CGPA: 2.96/4.0*

Joynal Hajari College, Feni **January 2020**
Higher Secondary Certificate (HSC), Science *GPA: 4.50/5.0*

Relevant Coursework

Object-Oriented Programming, Web Development, Computer Networks, Data Structures and Algorithms, Operating Systems, Machine Learning, Data Mining, Artificial Intelligence (AI).

Experience

Network Engineer Intern, Information Services Network Ltd (ISN) **Sept 2024 – Dec 2024**
ISN Office Website

- Gained hands-on experience in a professional office environment.
- Interacted with clients and collaborated with teams to address networking needs.
- Developed practical skills by actively contributing to daily operations.

Projects

Chest X-ray Classification Using CNN | *Python, Flask, TensorFlow, OpenCV* **2025**

- Developed a web application using Flask to classify chest X-ray images into six disease categories with **96.92% accuracy.**
- Trained a ResNet101 model on 12,000 X-ray images and used Grad-CAM for visualizing affected areas.
- Integrated OpenCV for image preprocessing and optimized real-time inference with TensorFlow.
- **GitHub:** Chest X-ray Classification

Group Chat App | *Java Swing, Socket Programming* **2023**

- Built a networking-based application for real-time group communication.
- Implemented socket programming to establish client-server communication for message exchange.
- Designed an interactive GUI using Java Swing for seamless user experience.
- **GitHub:** Group Chat

Brain Tumor Classification Web | *Python, Flask, TensorFlow, OpenCV* **2024**

- Developed a web application using Flask to classify brain MRI images into four tumor categories with **98.37% accuracy**.
- Trained a CNN model on a labeled dataset and utilized **Grad-CAM** for visualizing tumor regions.
- Integrated **OpenCV** for image preprocessing and optimized inference using **TensorFlow**.
- **GitHub:** Brain Tumor Classification

Summary

Motivated and detail-oriented Python developer with a strong foundation in machine learning, data science, and AI. Skilled in building and deploying ML models using TensorFlow, Keras, and Scikit-Learn. Experienced in working with Python-based tools, databases, and automation. Passionate about leveraging AI and Python to solve real-world problems and committed to continuous learning and growth in software development.