SHAMIM RAHIM REFAT

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SUMMARY

Aspiring enthusiast in Machine Learning and Artificial Intelligence, focusing in computer vision. Currently expanding my skills in mobile app development utilizing Flutter and Dart. Enthusiastic about contributing to dynamic teams and continuously advancing my skills and knowledge through hands-on experience and learning.

RESEARCH INTERESTS

Computer Vision, Machine Learning, Deep Learning

TECHNICAL SKILLS

- **Programming Languages**
  C++, Java, Python, Dart
- **Deep Learning Tools**
  Tensorflow, Keras, scikit-learn
- **Developer Tools**
  Visual Studio Code, Codeblocks, NetBeans, Anaconda, Google Colab, Git Bash, Overleaf (Online LaTeX Editor)
- **Databases**
  Microsoft SQL Server, MySQL

EDUCATION

Ahsanullah University of Science and Technology
BSc. in Computer Science and Engineering(CSE)
2020 - 2025
CGPA: 3.096

Notre Dame College
Higher Secondary School Certificate
2017 - 2019
GPA: 5.00

Ideal School and College
Secondary School Certificate
2007 - 2017
GPA: 5.00

REFERENCES

- **Dr. Mohammad Shafiul Alam**
  Professor
  Department of Computer Science and Engineering
  Ahsanullah University of Science and Technology
  Tejgaon, Dhaka
  Email: shafiul.cse@aust.edu
  Contact No: +8801715104101

RESEARCH PUBLICATIONS

Accepted for Publication

- "Advanced CNN and Explainable AI Based Architecture for Interpretable Brain MRI Analysis" - ICCA 2024
- "An Approach Towards Identifying Bangladeshi Leaf Diseases through Transfer Learning and XAI" - ICCIT 2024
- "An Exploratory Approach Towards Investigating and Explaining Vision Transformer and Transfer Learning for Brain Disease Detection" - ICCIT 2024.
- "Comprehensive Lung Disease Detection Using Deep Learning Models and Hybrid Chest X-ray Data with Explainable AI" - ICCIT 2024. (Honored **"2024 ICCIT Best Technical Presentation of the Session - 12AVM"**)

PROJECTS

- **JobBoy BD (Web Application Development)** 🔗
  Developed an ASP.NET MVC-based "Online Job Portal" enabling job postings, resume reviews, and communication between job seekers and recruiters using C#, HTML, CSS, JavaScript, PHP, SQL Server 2014 and Microsoft Visual Studio 2013.
- **AquaSense (Hardware Development)** 🔗
  Developed an "Automated Water Pump and Quality Monitoring System" for efficient water management using Arduino UNO and Arduino IDE.
- **Dental Care (Web Development)** 🔗
  Created a "Dental Appointment System" for managing appointments using PHP, CSS, JavaScript, and Visual Studio Code.
- **Hyacinth (Software Development)** 🔗
  Developed a "Pharmacy Management System" using Java Swing to streamline operations and manage inventory, utilizing Java, MySQL, XAMPP, and NetBeans.
- **Death Stalker (Game Development)** 🔗
  Developed a 2D Metroidvania game using C Programming Language, iGraphics, and Microsoft Visual Studio 2013.

ADDITIONAL INFORMATION

- Participated in
  - Intra AUST Programming Contest, Spring 2020
  - CodeClash21: Intra AUST Programming Contest, Fall 2021
  - CEFALO Codefiesta, 2022
  - AUST CSE Carnival 1.0, 2022
  - CodeCombat 1.0, 2023
  - AUST CSE Carnival 2.0, 2023
- Organized CEFALO Codefiesta, 2022