

SAMIHA SHAFIQ ANUVA

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EDUCATION

BSc. in Computer Science and Engineering,
Islamic University of Technology

CGPA: 3.64
May, 2023

Higher Secondary Certificate,
Viqarunnisa Noon School and College

GPA: 5.00
2018

RESEARCH INTERESTS

Natural Language Processing | Human Computer Interaction | Computer Vision | Machine Learning

RESEARCH EXPERIENCE

❑ Natural Language Processing

- **Unveiling the Essence of Poetry: Introducing a Comprehensive Dataset and Benchmark for Poem Summarization.**

Accepted at EMNLP 2023 [↗](#)

This work benchmarks the creative language understanding and summarizing capacity of language models and highlights numerous short-comings of prevalent text summarization models.

❑ Computer Vision

- **A Comparative Analysis of Efficient Convolutional Neural Network Based Methods for Plant Disease Classification.**

Accepted at ICCIT 2023 [↗](#)

The work delves into the complexities of plant disease classification, covering aspects such as available datasets, transfer learning, and a comparative analysis of lightweight CNN models for leaf disease.

- **Improving Weight Excitation for Convolutional Neural Network and MLP Mixer.**

In Preparation

Our work explores potential improvements to weight excitation. This attention mechanism locates and amplifies crucial weights in a model by applying extra attention and reducing the effect of less important weights.

PROFESSIONAL EXPERIENCE

Synesis IT Ltd.
Junior UI/UX Designer

October 15, 2023 - August 31, 2024

- My responsibilities included user research, design, prototyping, and testing, along with close collaboration with developers, which refined my ability to translate complex requirements into functional solutions.
- I have worked on diverse projects for key Bangladesh Government initiatives, including the [National Job Portal](#), [Local Consultative Group \(LCG\)](#), [DGHS](#) and [EkPay](#).

Revinr IT
UI/UX Designer

August 3, 2023 - October 12, 2023

Worked with various local and international companies like - Singerbd, UIU, eMediadesk, IECC, and Studypress.

DataSoft Systems Bangladesh Limited

Mobile App Development Intern.

June 2022 - July 2022

Duration: 2 months

Battery Low Interactive Ltd.

Industrial training on Mobile App development with Flutter.

July 2021

Duration: 1 month

TECHNICAL SKILLS

- | | |
|--|---|
| ❑ Language- C++, Java, JavaScript, Python, Dart | ❑ Frontend- React, Flutter, WordPress |
| ❑ Database- Oracle, MySQL, Firestore, NoSQL, HIVE | ❑ Backend- Node, Firebase |
| ❑ Machine Learning- TensorFlow, Pytorch | ❑ Others- Git, Bash, Linux, GCP, \LaTeX |
| ❑ UI/UX Design- Figma, AdobeXD, Adobe Illustrator. Lucid Charts | ❑ Design Portfolio- Dribbble |

PROFESSIONAL PROJECTS

National Job Portal [↗](#)

Role: UX Research, UI/UX Design

Designed the Website and Mobile App for the National Job Portal of Bangladesh. My responsibilities included - UX research, requirement collection, conducting design workshops with stakeholders, UI/UX design, and collaborating with developers & testers.

Local Consultative Government Website [↗](#)

Role: UX Design, Web Development

Designed and developed the website for Local Consultative Government which functions as the main forum for development coordination and policy dialogue between the Government and Development Partners in Bangladesh.

UNDERGRADUATE PROJECTS

Plant Care [↗](#)

Python, TensorFlow, ReactJs

An app for plant disease classification where users can upload photos of their plants to detect diseases.

ClickWork [↗](#)

ReactJs, Django, SQLite3

A freelance website which acts as a platform for connecting clients and freelancers.

Geometry Box [↗](#)

Python, Tkinter

An app that acts as a geometrical tool for students and teachers. There are 3 parts in this app - Canvas, Daily Geometry, and Equation Visualizer.

E-Cashier [↗](#)

C++

A point of sale system for a supermarket. Developed using C++ for an object-oriented programming course.

CERTIFICATION

- | | |
|--|------|
| • Neural Networks and Deep Learning by DeepLearning.ai | 2022 |
| • Python Data Structures by University of Michigan | 2020 |
| • SQL for Data Science by University of California, Davis | 2020 |
| • Web Design for Everybody: Basics of Web Development and Coding Specialization University of Michigan | 2020 |
| • Foundations of User Experience (UX) Design Google | 2023 |

EXTRA-CURRICULAR ACTIVITIES

- | | |
|---|------|
| • Logistics and Operations (Design) Executive in IUT Computer Society | 2022 |
| • Former Head of Creative in IUT Debating Society | 2021 |
| • Former Head of Event Management in IUT Debating Society | 2022 |
| • Digital Art and 3D Modelling | |