Humaira Mir Prothoma

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Profile

Motivated Computer Science graduate with a strong academic background and a growing passion for research. Currently working as a Training and Content Specialist at one of the leading software companies in Bangladesh. I am eager to pursue graduate studies in the US, with the goal of contributing to research. I aim to apply my academic and professional experiences to meaningful research while continuing to expand my knowledge and skills. Known for being dedicated, hard-working, and genuinely curious about solving real-world problems through technology.

Education

B.Sc in Computer Science and Engineering, *BRAC University*   2019 – 2023
CGPA - 3.44/.00

Higher secondary Certificate, *Viqarunnisa Noon College*   2016 – 2018
GPA-5.00/5.00

Secondary School Certificate, *Viqarunnisa Noon School*   2005 – 2016
GPA-5.00/5.00

Professional Experience

Training & Content Specialist, *Therap (BD)*   08/2024 – Present
Supports multiple software modules by coordinating between users and development teams. Troubleshoots technical issues, prepares user guides and release notes, and collaborates with designers and engineers to enhance features. Contributes to quality assurance improvements and automates QA processes using AI tools such as MaestroQA, Heygen, and, NotebookLM including prompt engineering for workflow optimization. Experienced in API integrations.

Technical Skills

Programming Languages
Java, Python, JavaScript

Web Developing Languages
HTML, CSS, PHP

Database System
Mysql

Development Tools
VS Code, Android Studio, Wordpress

Tools and Platforms
Git, Salesforce

AI / ML Tools
Maestro QA, Heygen, NotebookLM

Documentation Software
Microsoft Office, Microsoft Excel, Microsoft Power Point, Google Doc, Google Slides.

Project Experience

KineiFelbo.com (Online Shopping Management System)
The "KineiFelbo.com" is a collaborative group project that leverages HTML, CSS, PHP, Java, and Mysql to create an efficient and user-friendly online shopping platform.

Kokhon Chai Delivery (Delivery Service Android App)
This delivery service app project using Android Studio and Java provided invaluable hands- on experience with Android app development. Moreover, allowed myself for the practical application of Android-specific concepts and technologies such as Firebase.

GRE Practice Web Application (Ongoing, Personal Project)
Developing an interactive web app for GRE Quant & Verbal practice, vocabulary learning, and mock tests, demonstrating skills in HTML, CSS, JavaScript, and UI/UX design. Focused on dynamic question handling, progress tracking, and scalable educational technology.

Publications

The final year research project, '**Real-time Unwanted Scenes Detection and Blurring**,' was designed with the objective of safeguarding children from inappropriate content. For detection, we evaluated various algorithms and found that YOLOv6 delivered the most optimal results in terms of both accuracy and speed. In the context of blurring, OpenCV was the image processing library that best suited our requirements.

Standardized Test Scores

IELTS
7.5 (Listening-8.0, Reading-8.0, Writing-6.5, Speaking-7.5)

GRE
304 (Quantitative Reasoning- 159, Verbal Reasoning- 15, AWA- 3.5)

Soft Skills

- Agile and Scrum
- Time Management
- Fast Learner and Working Under Pressure
- Strong Verbal Communication.
- Communication and Team Play
- Creative and Problem solving

Interests

- Baking
- Painting
- Travelling