



Fahema Akter

Computer Engineer

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Personal Attributes

- **Collaborative Team Player:** Merges technical expertise with interpersonal skills, fostering strong relationships and harmonious team dynamics.
- **Effective Communicator:** Clearly articulates complex technical concepts, enhancing understanding and collaboration across departments.
- **Detail-Oriented Analyst:** Meticulous in software development and system analysis, ensuring accuracy and efficiency in every project aspect.

Skills

Data science/Machine learning/AI	★★★★★★★★★
Programming	★★★★★★★★★
Communication and presentation	★★★★★★★★★
Networking and Security	★★★★★★★
Software testing	★★★★★★★★★
C Programming	★★★★★★★

Software Quality Assurance

- Testing Document writing • Manual Testing
- Software Development Life Cycle • Automation tools
- API testing • Load and stress testing
- Postman • UI Testing • GitHub
- Black Box Testing • White Box Testing

Projects

- Implemented regression models for predicting marketing campaign interaction duration using linear regression, random forest, and neural networks on big data. (DIU, 2023)
- Developed a quiz system using assembly language tailored for the IMU8086 architecture. (DIU, 2021)
- A comparison of machine learning algorithms for brain tumor detection using data mining techniques. (DIU, 2022)
- University networking project using packet tracer, demonstrating expertise in network design and simulation. (DIU, 2022)

SQA Projects

- Manual testing And Test Case By Opencart Application
I wrote 40+ Test Cases for "Opencart registration page".(2023)

Extracurricular Activities

Executive member at GCPC

2020 - 2023

Executive member of the DIU Girls Programming Group
Facilitated event organization and programming competitions.

Education

B.sc in CSE UNIVERSITY - Dhaka Daffodil International University (DIU), Dhaka CGPA 3.75 out of 4.00 <i>Thesis title: Exploring Explainable AI in Fabric Defect Detection</i>	2020 - 2023
Higher School Certificate - Dinajpur Cantonment public school and College, Dinajpur GPA 4.83 out of 5.00	2016 - 2018
Secondary School Certificate Cantonment public school and College, Dinajpur GPA 4.06 out of 5.00	2015 -2016

Language Skills

- English: Professional proficiency with excellent presentation and writing skills
- Bangla: Mother language

Software Skills

MS Office Package	★★★★★★★★★★
Visual studio code	★★★★★☆☆☆☆
Python	★★★★★★★★★★
Code Blocks	★★★★☆☆☆☆☆
Emu8086 (assembly language)	★★★★★★★★★★
Java	★★★★★☆☆☆☆
Microsoft Visual Studio	★★★★★☆☆☆☆

COURSES

- **Complete Web Development Course with Jhankar Mahbub**
▶ Programming Hero
- **SQA and Cybersecurity**
▶ IT training BD

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Fahema Akter
Dhaka, 04.02.2024