

Anika Islam

in anika-islam | MetalPotato24 | anikaislam@iut-dhaka.edu | 01591132809

SUMMARY

I am an undergraduate software engineering student with a strong enthusiasm for software development and a keen interest in machine learning. I am highly motivated to expand my expertise in development, constantly seeking opportunities to learn new concepts and technologies. I am also open to exploring opportunities in the quality assurance field.

EDUCATION

Islamic University of Technology (IUT)

Boardbazar, Gazipur, Bangladesh

Bachelor of Science in Software Engineering

Jan 2020 – Present

CGPA - 3.77 on a scale of 4.00 till 7th semester

Birshreshtha Noor Mohammad Public College (BNMPC)

Peelkhana, Dhaka, Bangladesh

Higher Secondary Certificate

2017 – 2019

GPA - 5.00 on a scale of 5.00

TECHNICAL SKILLS

I am familiar and have experience working with:

Languages : JavaScript, Python, TypeScript, Java, HTML, CSS, C, C++, PHP

Frameworks: NodeJS, Django, React, ElectronJS, Express, Jest

Databases : Oracle, MySQL, MongoDB, PostgreSQL, SQLite

Dev Tools : Docker, Figma, Visual Studio Code, Git, IntelliJ IDEA

Test Tools : Postman, Selenium, JMeter, JUnit

INTERESTS

- Problem Solving
- Back-end Development
- Machine Learning
- Front-end Development
- Designing, Digital Art

COURSEWORK

- Data Structure and Algorithms, Object-Oriented Programming, Machine Learning, Natural language processing, Artificial Intelligence, Linear Algebra, Web Application Development, Design Patterns, Software Metrics and Processes, Software Verification and Validation, Software Testing

WORK EXPERIENCE

Streams Tech Ltd

Intern

House No. 16, Suite F4, Road No. 23, Block B, Banani, Dhaka, Bangladesh

1 June 2023 – 27 September 2023

- Contributed to the development of a project for designing and generating Chequebook leaves utilizing Electron.js, JavaScript, Node.js, HTML, and CSS.
- Conducted R&D on Apache Superset's open-source codebase, integrated new features, notably a Circumplex Chart, using Typescript and the Ant Design chart library.

ACHIEVEMENTS

- Selected as Top 10 Team in CodeRush 1.0 Intra IUT Hackathon
- Secured 20th Position in Intra IUT girls programming contest

PROBLEM SOLVING SKILLS

- I have solved over 400+ problems across various online judges.

PROJECTS

NLP Project: Hopewatch

- Creating a Bangla dataset with suicidal, depressive, and neutral posts by scraping data from Facebook groups, Twitter, and Reddit. Building a framework to detect suicidal posts in Bangla on social media.

Contribution: Working on both dataset creation and framework development.

Thesis

- Current research focuses on plant leaf disease recognition using few-shot learning.

Contribution: Thoroughly researching and implementing the target framework.

Foodle JavaScript, HTML, CSS, Django, PostgreSQL, Git

- Foodle is a multi-vendor restaurant management solution that simplifies the search for nearby restaurants and automates the dine-in ordering process. It also provides seat availability checking and reservation features.

Contribution: Developed frontend and backend components for key features including Menu, Cart, Payment, Check-out, Dashboard, Seat reservation, etc.

SimplyBuy

JavaScript, HTML, CSS, PHP, MySQL, Git

- SimplyBuy offers a seamless e-commerce experience, showcasing a diverse range of popular and latest items. Users can stay updated on market trends, rate products, and leave comments to aid informed decisions and improve product quality.

Contribution: Focused on SQL query writing, triggers, functions, and procedures implementation. Additionally, contributed to both frontend and backend development for some features.

AskIUT

JavaScript, HTML, CSS, PHP, MySQL, Git

- A platform for students to create social networks, post academic queries and organize study materials efficiently. Capable of sorting content by academic department.

Contribution: Worked in frontend and backend for core features: timeline, likes, notifications, posts, image uploads, and sorting posts and repositories by year and department.

Tic-Tac-Toe

Java Swing, Java, Git

- This tic-tac-toe game offers features, like choosing between playing against a Random AI or a Defensive AI. Users can also play by selecting any of the three themes: High Contrast, Classic, and Forest.

Contribution: Solely developed and implemented all project features