Ahmed Mahfuz Anan

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About Me

Currently studying in my 4th year (8th semester) at IUT, majoring in *Software Engineering* in the department of CSE. Enthusiastic about exploring various areas within software engineering and gaining valuable insights. Eager to expand my knowledge and gain new industry experience.

Experinece

Firmware Developer Intern

Sunny International   June,2024 - October,2024

• Researched on ESP32 modules and implemented arduino ide libraries for firmware development.
• Built backend APIs with ExpressJS and Node.js to manage devices and retrieve data.
• Implemented secure communication with X.509 certificates and real-time data transfer via HiveMQ.

Skills

Languages:	JavaScript, Typescript, C, C++, Python, Java
Frameworks:	NodeJS, ExpressJS, NextJS, Tailwind CSS
Databases:	Oracle, MySQL, MongoDB
Libraries:	ReactJS, Shadcn, TensorFlow, ScikitLearn, Pandas
Tools and IDE:	VS Code, Git, IntelliJ, Colab, Postman

Education

BSc in Software Engineering

Islamic University of Technology   Year: 2021 - Present

(CGPA: 3.45 out of 4.0)

Projects

yc_directory 🔗   Source Code

NextJS, ReactJS, Sanityio, Shadcn, Tailwind CSS, Git
• A minimal platform to submit and explore startup ideas using dynamic content from Sanity's API.
• Features include GitHub login, pitch submission, search, filters, profile page, and editor picks with view tracking.

InternConnect 🔗   Source Code

MongoDB, ExpressJS, ReactJS, NodeJS, Git
• A web application to streamline the Internship Management System of IUT.
• User friendly application to simplify application prcoess and placement for the students of IUT.

InventoTrack   Source Code

MongoDB, ExpressJS, NodeJS, EJS, Git
• A comprehensive web-based Inventory Management System to efficiently monitor and manage inventory items.

DeaLIT   Source Code

MongoDB, ExpressJS, ReactJS, NodeJS, Git
• A web based e-commerce platform for product exchange, renting and trading opportunities.

Achievements & Certifications

Code Catalyst: Code Refactoring Competition   11th National ICT Fest, IUT   2024
• Code smell identification, refactoring, and design patterns implementation.   🏆 Place: Champion

• **Back End Development and APIs Certification (freeCodeCamp)** 🔗
• **Quality Assurance Certification (freeCodeCamp)** 🔗