Tasriad Ahmed Tias

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SUMMARY

- Dedicated and enthusiastic third-year Computer Science and Engineering student with a passion for software engineering, development and research.
- Solid foundation in theoretical software engineering and development principles gained through coursework at Bangladesh University of Engineering & Technology.

EDUCATION

2021 - present	Bachelor of Science in Computer Science and Engineering Department of Computer Science and Engineering at **Bangladesh University of Engineering and Technology** (CGPA: 3.83/4.0)
2020	Higher Secondary Certificate (Dinajpur Board) at **Cantonment Public School and College, Rangpur** (GPA: 5.00/5.00)
2018	Secondary School Certificate (Dinajpur Board) at **Cantonment Public School and College, Rangpur** (GPA: 5.00/5.00)

TECHNICAL SKILLS

Programming Languages:	C, C++, Java, Python, JavaScript, Solidity
Database:	Oracle, MySQL
OS:	Windows, Ubuntu LTS 20.04
Version Control:	Git & GitHub
Frameworks:	JavaFX, Node.js, Next.js, React, Web3.js, Bootstrap, Tailwind
Web Technology:	HTML, CSS
Technical Writing:	LaTeX, Beamer, Overleaf
Python Libraries:	NumPy, Pandas, Matplotlib, OpenCV

ACHIEVEMENTS

National Creative Talent Hunt(Mathematics & Computer)(2019),	National-Runners Up
National Creative Talent Hunt(Mathematics & Computer)(2016),	District-Champion
Inter Cantonment Math Olympiad (2020)	2nd
Inter Cantonment Math Olympiad (2017)	2nd

Grants & Scholarships

Dean's list Scholarship, Bangladesh University of Engineering & Technology
Awarded for outstanding performance in Level1 and Level2 terms.

Government Scholarship, Bangladesh   2018-19
Awarded for outstanding performance in Higher Secondary School Certificate Examination.

Government Scholarship, Bangladesh   2016-17
Awarded for outstanding performance in Secondary School Certificate Examination.

Government Scholarship, Bangladesh   2015
Awarded for outstanding performance in Junior School Certificate Examination.

Personal Projects

Movie Database System   GitHub   Link to Demo

A JavaFx-based Movie Management App where production companies can manage their movies and users can easily find any relative information for any registered movie. Production companies can also buy and sell movie rights. A real-time updation is demonstrated and implemented using Java threading and networking.

AirHockey   GitHub   Link to Demo

Only C language and an OpenGL wrapper Igraphics-based Air Hockey game.

RecipeRealm   GitHub   Link to Demo

A solid web application that used the Oracle database management system to store data on the back end. The Next.js framework was used to build the front end, and Bootstrap and Tailwind CSS were used to improve the user interface.

IntelliClass   GitHub   Link to Demo

CSE316 microcontroller project IntelliClass. A feature-packed simplistic next-gen classroom. This features a fingerprint-based attendance system. The attendance sheet (excel file) is automatically sent to the designated mail addresses. There is a real-time schedule display that shows the ongoing class and course teacher name. Two automation features. proximity motion-based light automation and temperature-based fan speed control. Finally a safety feature for flame detection. Main components: 1. Arduino Uno 2. Atmega32A 3. Fingerprint sensor 4. RTC 5. LM35 temperature sensor 6. Flame sensor 7. PIR motion sensor

Certificates

1. **Ethereum & Solidity (Udemy)**
2. **Object Oriented Programming Specialization (Coursera)**

Research Interests

- Software Development Methodologies
- Software Engineering for Emerging Technologies
- Data Structures and Algorithms Optimization
- Blockchain Technology and Applications
- Image Processing and Computer Vision