



MD FAHIM MUNTASIR

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ABOUT ME

I hold a Bachelor's degree in Computer Science and Technology, with strong foundations in software development, algorithm design, and data analysis. I have completed academic projects, including a web-based multi-vendor ads management system, and gained hands-on experience in Embedded Systems, AI, and Web Development. Proficient in Python, Java, C++, C#, SQL, and HTML, I am eager to pursue research in AI-driven embedded systems, smart sensing, and innovative technology solutions that integrate hardware and software to tackle real-world challenges.

WORK EXPERIENCE

🏢 **Adivasi Unnayan Sangstha (AUS) – Netrokona, Bangladesh**

Finance and Admin Coordinator

[Jun 2025 – Current]

Project: Integrated Community-Based Center for Child Care, Protection, and Swim Safe Facilities (ICBC)

Implemented by: Bangladesh Shishu Academy under the Ministry of Women and Children Affairs

Job Responsibilities:

- Financial Management, Reporting & Payroll
- Fund Release & Government Liaison
- VAT/Tax Compliance & Audit Coordination
- Field Monitoring & Data Collection (Kobo)
- General Administrative Duties

Relevant Trainings/Workshops:

- Orientation on Monitoring, Evaluation, Accountability & Learning (MEAL) Framework, Netrokona, [16/05/2025 – 18/05/2025]

🏢 **Adivasi Unnayan Sangstha (AUS) – Sunamganj, Bangladesh**

Early Childhood Care and Development (ECCD) Officer

[Mar 2024 – May 2025]

Project: Integrated Community-Based Center for Child Care, Protection, and Swim Safe Facilities (ICBC)

Implemented by: Bangladesh Shishu Academy under the Ministry of Women and Children Affairs

Job Responsibilities:

- Program Implementation & Quality Assurance
- Team Supervision & Capacity Building
- Stakeholder Coordination & Community Engagement
- Monitoring, Evaluation & Reporting
- Training & Curriculum Support

Relevant Trainings/Workshops:

- Trainers Training, Sunamganj, [25/05/2024 – 31/05/2024]
- District Level Workshop on "Bridging Leadership for Collaboration," Mymensingh, [01/02/2025 – 03/02/2025]

EDUCATION AND TRAINING

Bachelor of Engineering

Hubei University of Technology [Sep 2019 – Dec 2023]

City: Wuhan | Country: China | Field(s) of study: Computer Science and Technology | Final grade: 3.78 out of 5 and Average 88.58 | Thesis: Classified Multi-Vendor Ads Management Website

Higher Secondary Certificate

Varendra College [Jul 2016 – Jun 2018]

City: Rajshahi | Country: Bangladesh | Field(s) of study: Science | Final grade: 3.75 out of 5

Secondary School Certificate

Shiroil Govt. High School [Jan 2014 – Mar 2016]

City: Rajshahi | Country: Bangladesh | Field(s) of study: Science | Final grade: 4.94 out of 5

SKILLS

Programming Language

C / C++ / C# / Python / Java / MySQL / SQL / HTML

Software

Visual Studio Code / Visual Studios / IntelliJ IDEA / Proteus / Ubuntu / MATLAB / Figma / Adobe Illustrator / Android Studio / Microsoft Office / Microsoft Word / Microsoft Excel / Microsoft PowerPoint

Others

Data Structure / Data Analysis / Web Development / Web Design

PROJECTS

Undergraduate Graduation Project (Thesis) - Classified Multi-Vendor Ads Management Website

The Banker's Algorithm - Implemented Banker's Algorithm in C++ for safe resource allocation and deadlock avoidance.

Link: <https://github.com/fahimuntasir/The-Banker-s-Algorithm>

Reimplementing a Doubly Linked Lists - Redesigned a doubly linked list in Java, improving efficiency and functionality while demonstrating OOP principles.

Link: <https://github.com/fahimuntasir/Re-Implementing-a-doubly-Linked-lists>

Snake Game Player - Developed a Snake Game Player in Proteus with microcontroller-based embedded system design.

Link: <https://github.com/fahimuntasir/Snake-Game-Player>

Online Shopping System - Designed an Online Shopping System UI in Figma, enhancing usability and visual design.

Link: <https://www.figma.com/file/aX8DLY34OtVqO1Hlo7le8b/E-Commerce-App-Fahim?type=design&nodeid=0-1&mode=design>

Material Inventory Management System - Developed a Material Inventory Management System using C# and the .NET framework to manage inventory items.

Link: <https://github.com/fahimuntasir/Material-Inventory-Management-System>

RESEARCH INTEREST

Embedded Artificial Intelligence Systems

- Integration of artificial intelligence into hardware and embedded platforms.

Internet of Things (IoT) and Smart Devices

- Design and implementation of intelligent, interconnected systems for real-world applications.

AI-Driven Signal and Image Processing

- Applying deep learning to optimize electrical and electronic signal interpretation.

Edge Computing and Cyber-Physical Systems

- Developing low-latency, distributed intelligent systems for industrial and communication applications.

VLSI Design and Hardware Acceleration for AI

- Energy-efficient hardware design for neural network processing and automation.

Smart Grid and Renewable Energy Systems

- Intelligent monitoring, communication, and optimization in modern power networks.

Wireless Communication and 5G/6G Technologies

- AI-based optimization of communication networks and signal transmission.

Self-Powered Sensing and Energy Harvesting Systems

- Sustainable electronic systems integrating sensing, computation, and power management.

Human-Computer Interaction and Intelligent Robotics

- Developing autonomous systems combining sensors, control, and AI algorithms.

Machine Learning for Electronic System Optimization

- Using AI to enhance the performance and reliability of electrical and electronic systems.

Intelligent Control and Automation Systems

- Applying AI and deep learning for adaptive control in robotics and industrial automation.

Signal Processing and Machine Learning Integration

- Using AI-driven algorithms for image, speech, and data signal analysis.

Self-Powered Sensing and Energy Harvesting Systems

- Developing innovative sensors that integrate electronics, AI, and sustainable power solutions.

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Chinese

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HONOURS AND AWARDS

[Dec 2022] Hubei University of Technology

Outstanding International Student Awarded with Second-class Scholarship

[Dec 2021] Hubei University of Technology

Model Student Awarded with Third-class International Outstanding Student Scholarship

RECOMMENDATIONS

Name: Jianxia Chen | Professor

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Huber University of Technology

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Name: Xinyun Wu | Associate Professor

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