

Mir Ahnaf Ali

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Education

University of Massachusetts Boston

Expected Graduation: May 2026

Computer Science, Bachelor of Science | 3.962 GPA

Relevant Coursework: Advanced Data Structures, Algorithms, Statistics

Skills:

Languages: Proficient: Python(3yrs), JavaScript(2yrs), **Intermediate:** Java (1yrs), SQL (1yrs), VBA (1yrs), **Beginner:** C (1yrs)

Software: Excel, Lucidcharts, AWS, GCP, Langchain, JupyterNoteBook, Bootstrap, Git, Bash

Framework: Scikit-learn, jQuery, MS Azure, Firebase, React, Next Js, Supabase

Experience:

Software Engineering and IT Specialist Intern

Jun 2024 - Present

UMASS

Boston, MA

- Provided technical support to over 100 students and faculty members on various software
- Resolved over 50 IT-related issues, ensuring timely and effective solutions for clients.
- Assist in educating students about preventing phishing attacks contributing to a 10% reduction.
- Managed student and faculty accounts across multiple platforms, maintaining data integrity and security.
- Collaborated with IT supervisors to address complex technical issues and improve service delivery.

Software Engineering Research Fellowship

Sept 2023 - May 2024

ORACLE/UMASS

Boston, MA

- Conducted research on "Effects of Discrete Fluctuation on Extinction"
- Implemented Python Discrete Event Simulation techniques to predict Extinction patterns
- Analyzed data using an Excel macro-enabled spreadsheet and presented findings to Professor Niraj Kumar
- Invited for the Eighth Annual CSM Student Success Showcase
- Presented the research on the Eighth Annual CSM Student Success Showcase 2024

Software Engineering Tutor

Sept 2023 - May 2024

UMASS

Boston, MA

- Tutored 20+ students in Python and Java programming.
- Helped students improve their understanding of complex algorithms and data structures.
- Provided individualized support and constructive feedback, leading to an average grade increase of 15%.
- Designed engaging lesson plans and real-world examples to enhance student learning and motivation.

Software Engineering Fellowship

Apr 2022 - Jun 2022

CREATIVE IT INSTITUTE

Dhaka, Bangladesh

- Developed responsive websites for clients using JavaScript, Bootstrap, jQuery, HTML, and CSS.
- Collaborated effectively with a team of 10 developers, utilizing GitHub for version and project management.
- Successfully deployed websites using domain hosting, ensuring accessibility and optimal performance.

Projects:

Automated Attendance SMS System | Client Project (~60 hours) - (GitHub) / (Website link)

- Built a web-based attendance and grading system using Next.js, TypeScript, Tailwind CSS, and Supabase, integrating SMS Chef API for automated attendance notifications and real-time student tracking.

Movie Recommendation App | Personal Project (~30 hours) - (GitHub)

- Developed a machine learning movie recommendation app using Python, Sckit-learn, pandas, and movie-lens datasets to provide users with personalized recommendations based on movie themes.

RSA- System | Personal Project (~20 hours) - (GitHub)

- Implemented the RSA Encryption System using Python, stdio, and stdrandom libraries for secure communication and data protection through encryption and decryption techniques.

NFC Apple Pay Attendance System | Course Project (~30 hours) - (GitHub)

- Built a cross-platform NFC attendance system with dual USB/BLE transport, EMV card parsing, and Excel automation using Python, Arduino, and Tkinter.

Front-end Website | Fellowship Project (~ 40 hours) - (GitHub) / (Website link)

- Developed a fully responsive front-end website for a construction company using JavaScript, HTML, CSS, Bootstrap, and jQuery, incorporating JavaScript functionality to enhance user interaction and provide a dynamic browsing experience.

Activities:

CODEPATH Intermediate Technical Interview - Certified for successful completion

Sept 2024- Nov 2024