# Mohammad T Islam

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## Education

**University of Massachusetts Boston | Boston, MA**                                                  **May 2025**

*Bachelor of Science: Computer Science*

**Belmont High School | Belmont, MA**                                                                         **June 2021**

*High School Diploma*

## Skills

Python **|** C **|** Java **|** JavaScript
HTML **|** CSS **|** SQL **|** React **|** Postgres **|** SQLite **|** Axios **|** Django **|** Flask **|** MySQL
VS Code **|** GitHub **|** IntelliJ **|** MS Office **|** PyCharm **|** Linux **|** DE beaver **|** Oracle **|** Git **|** Trello
Leadership **|** Collaboration **|** Project Manager **|** Communication **|** Agile Methodology **|** ML **|** Data Science

## Work Experience

**UMB UNIX Lab | Dorchester, MA | Lab Operator**                                               **Sep 2022 - Present**

- Provide comprehensive in-person support to all CS students addressing a variety of issues eg: credential.
- Conducted regular system status checks using Nagios monitoring tools, identifying and reporting potential issues, reducing downtime by 15%.
- Successfully upgraded PyKota from Python 2 to Python 3, ensuring compatibility with modern Ubuntu systems and enhancing lab efficiency.

## Project Experience

**HIkeMate | Product Owner**                                                                    **September – December 2024**

- Led a team of 7 as Product Owner, utilizing Scrum framework and managing the product backlog to deliver features for a hiking web application, including user authentication using Django.
- Built the front-end interface and backend logic using React, JS, Bootstrap and Django Rest Framework.
- Designed and implemented a user-friendly web interface using Figma, React, and Bootstrap, driving a 25% increase in usability based on peer reviews.

**Ticket Scanner | Developer**                                                                                **September 2024**

- Built a Python-based barcode scanning system that automated ticket validation for 300+ attendees, boosting efficiency by over 70% compared to manual tracking.
- Using SQLite database, automating CSV-to-database conversion, and improving data management efficiency 20%, ensuring scalability for large events.
- Integrated OpenCV for barcode recognition and developed a responsive interface with Flask, HTML, and Bootstrap, delivering a seamless user experience.