

## Mohammad Mustafa Ahmed

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### EDUCATION :

#### University of Massachusetts, Boston

GPA : 3.5

Bachelor of Science in Computer Science

- Relevant coursework: Advanced Data Structures and Algorithms, Database Systems, Machine Learning, Artificial Intelligence, UNIX Systems Programming, Web Development

### EXPERIENCE :

#### Henkel

Software Engineer Intern

May 2023 – August 2023

- Contributed to the development and maintenance of web and mobile applications used within Henkel's various business units. Utilized technologies such as JavaScript, HTML, CSS, and React for front-end development and Node.js for back-end services.
- Implemented data analysis tools to help business units make data-driven decisions. Created dashboards and reports using tools like Tableau and SQL, providing insights into key performance metrics.

#### University of Massachusetts Boston

January 2023 - Present

Technovation Immersion Reality Apprentice & Makerspace Student Employee

- Collaborated with the Chemistry Department to employ mixed reality tools, such as [Nanome](#) within VR headsets, for the visualization of molecular structures, enhancing Teaching in Chemistry classes.
- Initiated and led the adoption of VR, 3D learning tools within the Nursing Department. Developed [360 tour](#) for Nursing Department.
- Published articles on [VR](#), [AR](#), [DSA](#), [Cryptography](#), [Brain-Computer Interfaces](#) sharing insights and advancements with the academic and professional community.
- Utilized RoboMasters, Robot kits, Oculus Quest 2 and PrusaSlicer at [Technovator](#) and [Makerspace](#) to teach students about robotics, VR, AR, and 3D printing, fostering practical skills and innovation.
- Designed a [Smart home app](#) on Figma. Detailed info [About me](#), part of my Portfolio.

#### Paul English Applied Institute - [website](#)

April 2024 - Present

AI Researcher

- Conducting research on leveraging artificial intelligence to enhance educational learning experiences and support student development.

### PROJECTS :

[Task Tracker](#) – Helps keep your tasks organized | **Html, CSS, JavaScript**

[Life expectancy Calculator](#) - This application is designed to provide users with an estimation of their life expectancy based on their current age and location. | **HTML5, CSS3, Bootstrap 4, JavaScript, Flask, Jinja2, Pandas, Python**

[Password-Manager](#) - web application designed to help users generate, evaluate, and manage strong passwords. | **JavaScript, HTML, CSS**