

MD. YOUSUF HOSSAIN

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- 🌐 <https://findyousuf.me/>
- 🌐 <https://github.com/yousuffahim8>

Education

Ontario Tech University – Master of Science in Computer Science

2019 – 2020

- CGPA: 3.86

BRAC University – Bachelor of Science in Computer Science and Engineering

2014 - 2018

- CGPA: 3.84
- *Multiple mentions in VC 's List and Dean's List Certificates for outstanding academic performance*

Work Experience

June 2024 – Present

Senior Software Engineer, Thomson Reuters, Toronto, Ontario, Canada

- Design software systems and applications, ensuring scalability, reliability, and maintainability.
- Create technical specifications, diagrams, and detailed workflows.
- Create messaging and event-based system for handling large and complex task.
- Write high-quality, efficient, and reusable code features and enhancements of the application - using C#, .NET, SQL, Azure cloud, Typescript, Angular and other similar technologies.

March 2022 – May 2024

Software Engineer, Thomson Reuters, Toronto, Ontario, Canada

- Develop features and enhancements of the application - using C#, .NET, SQL Azure, Typescript, Azure Cloud, Angular and other related technologies.

March 2021 – March 2022

Junior Software Engineer, Crawford & Company, Waterloo, Ontario, Canada

- Enhancing applications by identifying opportunities for improvement, making recommendations, and designing and implementing systems by using ASP.net Core, T-SQL, Angular etc.

January 2019 – December 2020

Backend Engineer (Grad Internship) in Hypercare, Toronto, Ontario, Canada

- Develop backend features for hospital escalation policy using Node.js, GraphQL, MongoDB, SQL and other related technologies.

January 2019 – December 2020

Graduate Research Assistant & Teaching Assistant in Faculty of Business and IT, Ontario Tech University, Oshawa, Ontario, Canada

- Researching on Behavior Tree for Designing AI in Games.
- Conducting tutorial classes on Game Analytics and Essential Math for Games.

Skills

- Computer Language Skills: C#, Java, JavaScript, Python
- Framework Skills: ASP .Net Core, Node.js, Angular
- Database System Skill: SQL, MySQL, Mongo DB, Cosmos DB

- Other Skills: Azure Cloud (Service Bus, Blob Storage, Event Hub), YAML pipelines, GraphQL

Achievements

- Full funding scholarships for master's degree at Ontario Tech University.
- A research grant of \$30000 from Mitacs.
- 1st Runner-up in Project Manifestation organized by BRAC University.

Projects

An Angular Web Application for Sharing Travel Photos

A web app where the users can share their travel photos and details.

A Blogging Platform Using Asp.net Core

A blogging platform where the users can post their daily updates.

Prevention of Road Accidents through the Detection of Drowsy Driving

An application using computer vision and OpenCV to detect drowsy driving.

Embedded System based Bangla Intelligent Social Virtual Robot with Sentiment Analysis

A virtual social robot using cosine similarity algorithm.

Automated Escalation and Incident Management in Healthcare during Mass Casualties and Pandemic Events

A Node.js app that supports automated escalation and incident management in healthcare. Currently this project is used for Hypercare (a Toronto based startup).

NCAIt: Alternatives and Difference Visualizations for Behavior Trees in Game Development

A Unity game engine tool for creating multiple AI alternatives of a game.

NCCollab: Collaborative Behavior Tree Authoring in Game Development

A Unity game engine tool for collaborative AI development of a game.

Note: All the projects code and details are added in my portfolio website at <https://findyousuf.me/>.

Co-Curricular Activities

Student Mentor, First-year advising team (FYAT) at BRAC University.

References

Dr. Loutfouz Zaman

Assistant Professor

Faculty of BIT, Ontario Tech University

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Umar Azhar

Co-founder/CTO of Hypercare

Hypercare, Toronto

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