

# Tushar Mahat

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## SUMMARY

A detail-oriented Frontend developer, Saint Mary's University graduate with a minor in Mathematics, showcasing strong problem-solving skills. Proficient in analytics, interpersonal communication, prioritization, and organization. An exceptional team player with a proven ability to engage with clients and teams, demonstrating sound judgment in issue escalation.

## SOFT SKILLS

- Problem-Solving
- Communication
- Critical Thinking
- Adaptation to Technology
- Time Management
- Adaptability
- Attention to Detail
- Leadership and Teamwork

## TECHNICAL SKILLS

- **Languages:** JavaScript, Java, Python, C#
- **Front-End:** HTML, CSS (Bootstrap, Tailwind), D3.js, React, jQuery
- **Back-End:** Nodejs
- **Database:** MySQL, MongoDB
- **OS:** Windows, Linux, UNIX
- **Others:** Express, RESTful API, JSON, Git, Microsoft Office, Teams, Slack, Zoom, Discord

## EDUCATION

### B. Sc. in Computing Science with Minor in Mathematics

Saint Mary's University, Halifax, NS

09/2018 – 04/2023

#### Relevant Courses:

GPA: 4.05/4.30

- Data Structure and Algorithm
- Database Systems
- Mobile App Development
- Information Visualization and Interaction
- Game Development
- Software Engineering
- Advance Web Development

## RELEVANT PROJECTS

[github.com/tusharmahat](https://github.com/tusharmahat)

### Portfolio App

[bit.ly/3PmWX3A](https://bit.ly/3PmWX3A)

Designed, developed, and hosted a responsive personal portfolio app on Netlify to showcase projects and skills.

- Used HTML, CSS, and ReactJS for an intuitive UI.
- Maintained regular updates to reflect professional growth.

### Dhakatopi Clothing Store

<https://bit.ly/3EI8dCR>

Developed a responsive Clothing Store web app for a school project, meeting specified requirements.

- Created a responsive app with HTML, CSS, and PHP.
- Implemented user authentication, product catalog, and cart.

### Autism Nova Scotia Email App

<https://bit.ly/3sPGQE1>

Teamed up with four others to create an email app for Autism Nova Scotia using HTML, CSS, and Node.js as a course project.

- Improved app UI with user-friendly instructions, and email samples, aiding students with Autism in email system learning.
- Conducted monthly meetings with clients via Zoom to ensure a clear understanding of client needs and review of prototypes.

### Database Management App (CRUD App)

Created a database management web app for a car parts supplier, utilizing ER diagrams and relational database schemas.

- Designed a user-friendly front-end using Bulma, CSS framework.
- Facilitated team meetings using Microsoft tools to review progress and resolve issues.

### Maze Shooter (09/2021 - 12/2021):

Designed and developed an FPS game from scratch using the Unity engine, C# programming language, and 3D models.

- Collaborated with a team of two to implement game mechanics, including player movement, enemy AI, and level design.
- Conducted thorough testing and debugging to ensure the game was bug-free and delivered a polished final product.

### Visualization Dashboard

<https://bit.ly/3rdwvRY>

Developed a D3.js visualization dashboard with Kaggle world statistics (1955-2020) as an independent project.

- Employed data cleansing techniques to remove inconsistent and missing tuples in the dataset.
- Utilized various graphs (scatterplots, line, bar, donut charts) with filters and sorting to highlight annual data patterns.

## ACHIEVEMENTS AND ADDITIONAL EXPERIENCE

- Science Atlantic Computer Science Programming Competition (10/2021) Third position
- The 2020 Northeast North America Regional Contest (10/2020) Participation

### Grader

Saint Mary's University, Halifax, NS

09/2021 – 04/2023

Courses graded: Data Structures and Algorithms Course, Advanced Computer Programming and Problem Solving

- Evaluated programming and written assignments, providing detailed feedback to students.

### Mathematics Tutor

Orchid Eden Academy, Dang, Nepal

05/2018 – 08/2018

- Instructed primary students in mathematics.
- Tailored lessons to individual learning styles.
- Emphasized fundamental concepts and problem-solving.
- Fostered a positive and engaging learning atmosphere.