

AMAN YADAV

Toronto, Ontario

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SUMMARY

Versatile Software Developer with a Bachelor of Science (Honors) in Computer Science. Proven experience in developing a virtual reality system resulting in a **30%** rise in visitor engagement and optimizing data storage processes leading to a **70%** surge in user satisfaction. Proficient in a range of programming languages and frameworks, including Java, Python, SQL, and React. Exhibits strong problem-solving skills and a track record of improving application functionality and user engagement in academic projects.

EDUCATION

Brock University, St. Catharines, CA

Jan 2020 – Dec 2023

Bachelors of Science in Computer Science

Relevant Courses: Advance Data Structure, Advance Algorithm, Software Testing

Scholarship & Awards: Brock Entrance Scholarship, Dean's List 22'

CERTIFICATIONS AND KEY SKILLS

Certifications: Google Data Analyst - Coursera (Oct 2023)

Languages: Java • C/C++ • Python • HTML5 • Javascript/Typescript • CSS • Arm Assembly

Frameworks: • React • Express • NodeJS • MapKitJS • Flutter • Flask • FastAPI

Tools: MS Visual Studio • DevOps • Agile Methods • Scrum • Jira • MVC

AI: Pytorch, Numpy, TensorFlow, Google Speech-to-Text, DeepAI Text Summarizer

Soft Skills: Communication • Leadership • Problem-Solving • Time Management • Adaptability • Teamwork • Resilience

WORK EXPERIENCE

Brock University, St. Catharines, CA

Jan 2022 – Dec 2022

Software Developer & Research Assistant

- Developed a virtual reality system for Niagara-On-The-Lake Museum using Unity, C#, Firebase, and Angular, driving a **30%** increase in visitor engagement.
 - Optimized data storage and retrieval processes using Firebase, reducing data access time by **45%** and contributing to a **70%** surge in user satisfaction.
 - Engineered an interactive museum experience that boosted visitor satisfaction by **40%** and increased overall museum attendance.
 - Implemented an agile development approach, leading daily stand-ups and utilizing Jira and Confluence to enhance team collaboration. Successfully adhered to Scrum methodologies, resulting in a **20%** improvement in project delivery time and a **15%** increase in team productivity.
 - Spearheaded the integration of advanced security measures into the virtual reality system, ensuring a robust and secure user experience.
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ACADEMIC PROJECTS

File Transfer Application, Canada

Sep 2023 – Dec 2023

[Jaegar, Python]

- Developed a Python-based file transferring application, completing the project ahead of schedule.
- Established a comprehensive testing framework using Jaegar, reducing post-deployment issues by **20%**.
- Improved the application's ability to detect and mitigate potential vulnerabilities by **15%**.

CryptoCurrency Tracker, Canada

Oct 2022 – Dec 2022

[ReactJS, Typescript, API]

- Developed a web application for real-time cryptocurrency market monitoring using HTML5, CSS, JS, and React, integrated with the CoinGecko API.
- Empowered users to effortlessly track and analyze live cryptocurrency prices, achieving a **35%** increase in user engagement within the first month.

Mortgage Calculator, Canada

Apr 2022 – Jun 2022

[TypeScript, HTML5, CSS]

- Developed a feature-rich mortgage calculator using Javascript, Bootstrap, CSS, and HTML.
 - Increased user engagement by **30%** by enhancing the tool's comprehensive amortization schedule generation for simple interest loans.
 - Hosted the application on GitHub and Netlify, implementing robust responsive design principles, and achieving a **45%** improvement in cross-platform functionality.
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VOLUNTEER EXPERIENCE

Brock University - Brock Computer Science Club (CSC)

Jan 2021 – Dec 2023

Member