

## AMAN YADAV

St. Catharines, 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.

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### EDUCATION

**Brock University**, St. Catharines, CA

Jan 2020 – Jun 2024

**Bachelors of Science (Honors) Computer Science** (Dean's Honour List)

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### CERTIFICATIONS AND KEY SKILLS

**Certifications:** Google Data Analyst - Coursera (Oct 2023)

**Technical Skills:** Java • Python • C++ • C# • Javascript • SQL • HTML5 • CSS3 • JavaScript • Next JS • React JS • Data Analysis • Data Visualization • Rest APIs • Docker • Bootstrap • Tailwind • Git • Bash

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

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

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### WORK EXPERIENCE

**Brock University**, St. Catharines, CA

Jan 2022 – Dec 2022

**Full Stack Developer**

- 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 by 15%.
  - 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

- 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

- 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

- 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

**Hindu Student Association**, Brock University, Canada

Sep 2023 – Dec 2023

**BUSU Club**

- Organized diverse cultural activities, including festivals, Hindu cuisine events, and engaging Bollywood movie nights. Successfully increased club attendance by 75%, fostering a more inclusive campus environment.