

# 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.

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## 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'

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## CERTIFICATIONS AND KEY SKILLS

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

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

**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

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## WORK EXPERIENCE

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

Jan 2023 – Apr 2023

**Student Software Developer [Caspstone Project]**

- 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

**Generative Python Transformer**, Canada

Feb 2024 – Apr 2024

[Python, Github Token, Pytorch,]

- Developed a generative python transforming leveraging cutting-edge machine learning technology to enhance data generation process.
- Optimized data collection and preparation processes for the Generative Python transformer project, reducing raw data size from 13 GB to 3 GB.
- Performed dataset preprocessing and tokenization using advanced libraries to facilitate model training for the Generative Python transformer

**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.