SURYA UDAY SINGH

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Education

Algoma University   **2022 – 2026**
Bachelor of Computer Science Honors   *Sault St. Marie, Ontario*

Recipient of Chancellors Award(Highest university scholarship)

Relevant Coursework

- Data Structures
- OOP
- Microsoft Office Suite
- Database Management
- Computer Architecture
- Assembly Programming
- Artificial Intelligence
- Linear Algebra

Technical Skills

Languages: Java, C++, HTML, HTML5, CSS, CSS3, JavaScript, SQL, ES6, PHP, Python, Jquery, EJS
Technologies: GitHub, React, Node.js, Git, Frontend, Backend, NoSQL, MongoDB, DevOps, Excel, Word, Office, REST, JSON, API, Cloud, VS Code, Eclipse, Azure, AWS, Neural Networks
Certifications: Azure Fundamentals Az-900

Experience

OLG (Ontario's Gaming and Lottery Corporation)   **Jan 2024 – April 2024**
Technology Operations   *Toronto, Ontario*

- Proficiently troubleshooted Microsoft Teams Rooms and played a pivotal role in creating and updating comprehensive documentation for Microsoft Teams Rooms, facilitating IT staff members
- Leveraged PowerShell scripts to streamline administrative tasks, such as device reconfiguration to align with organizational policies, optimizing efficiency and compliance across all devices.
- Contributed to the digital signage initiative by updating USBs with relevant content for office televisions, effectively enhancing communication and visual representation of company messages.

Teaching Assistant   **September 2024 – Present**
Algoma University   *Brampton, Ontario*

- Provided one-on-one support to students across multiple courses, addressing their questions and clarifying complex concepts
- Graded assignments and projects for various classes, ensuring timely and constructive feedback

Projects

Theraplay | *GenAi, Socket.io, JavaScript, API*   **January 2025**

- Developed an interactive web application for enhancing student mental wellbeing on campuses using HTML, CSS, Node.js, Fabric.js, and Socket.IO, enabling real-time collaborative drawing and chat functionality between users.
- Integrated advanced AI capabilities using the Perplexity API for chat analysis and ElevenLabs for text-to-speech conversion, enhancing user interaction and providing emotional insights.

Dream Build | *React, Node, API*   **June 2023**

- Developed a fitness website using React and node.js to help peers find the exercises they need to be healthier.
- Used multiple API's offered by Rapid API to display 100s of exercises and recommending the user videos relating to it.
- Implemented some DevOps principles like CI/CD by hosting the website on netlify offering a seamless development environment

Dodo | *Godot, GDScript*   **October 2024**

- Designed a 2d game that follows a dodo collecting garbage to keep its island clean cinsiting of 3 different types of biomes
- Used sprites for the graphics and GDscript to code logic. Added an NPC that interacts with dodo.
- Uses random generation to spawn obstacles and garbage everytime the player replays the game. Added music and a timer to enhance user experience

Leadership / Extracurricular

Google Developers Student Club   **2022**
Communications Associate and member   *Algoma University*

- Organized various workshops for Algoma University students including workshops on Tensorflow, APIs, React and Flutter.
- Led a club of 20+ students in learning new technologies and acquiring skills they required to level up as a learner