Isha Verma

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EDUCATION

Carleton University   Ottawa, ON
Bachelor's in Computer Systems Engineering

- **Relevant courses:** Object Oriented Programming, Algorithms and Data Structures, Operating Systems, Data Engineering, Application Development, Network Security, Database Systems, Web Technologies

EXPERIENCE

Software Developer   September 2023 – Present
Paraverse Studio   *Toronto, ON*

- Developed front-end features for the product website (www.paraversestudio.com/) using JavaScript, React, HTML/CSS, and C# for backend
- Led QA through testing, debugging and diagnosing issues to ensure successful game releases on Steam, Google Play, and WebGL through testing, debugging, and user feedback

Software Developer   Jan. 2022 – Dec. 2022
Mi Presence Inc.   *Mississauga, ON*

- Developed and launched 'Taximeter,' an Android app used by over 5,000 taxi drivers to receive real-time ride data, reducing operational delays by 30%
- Built a responsive communication platform using React with HTML, CSS, and JavaScript for enhanced employee collaboration
- Collaborated on the design and deployment of an IoT Accelerometer in C language to enhance vehicle monitoring services

PROJECTS

NFC-Powered Exam Verification Robot with Web Interface   Sept. 2023 – May 2024

- Engineered a mobile-first NFC-based exam identity platform, integrating an Arduino Board and RaspberryPi using serial communication for the autonomous rover control, which utilized integrated sensors' activity to navigate the exam classroom
- Developed a responsive web application using Python and Flask server on a Raspberry Pi to monitor and control NFC sensor in real-time
- Implemented a responsive web app using JavaScript, and HTML/CSS, featuring secure dashboards and role-based access for real-time exam monitoring
- Visualized GitHub data to show collaboration

IoT-Enabled Autonomous Snow Clearing Robot   Sept. 2023 – Dec. 2023

- Designed an IoT app to control and monitor an autonomous snow-clearing robot using Arduino board
- Integrated multiple sensors programmed using C and developed algorithms for efficient navigation and obstacle avoidance

Automated Email Sender App   Sept. 2022 – Oct. 2022

- Developed an Android application using Android Studio, Java and Firebase backend with an intuitive UI for scheduling and tracking automated email sends, with Firebase integration for data storage for streamlined email campaign management

TECHNICAL SKILLS

Languages: C# (4+ years) Java (6+ years), Python (5+ years), Golang, C/C++, JavaScript (4+ years), Typescript, ReactJS, Web Technogies
Frameworks: React, Node.js, Flask, JUnit, Unity3D, .NET framework, RESTful services
Developer Tools: Git, GitLab, CI/CD pipeline, Google Cloud Platform, VS Code, PyCharm, IntelliJ
Libraries: pandas, NumPy, Matplotlib
Databases: MySQL, NoSQL-GCP(firebase, ETL)