ISHA VERMA

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SKILLS AND ABILITIES

- **Languages:** Python (4+ years), Java (4+ years), Golang, C#, JavaScript, TypeScript, React JS, HTML/CSS
- **Frameworks:** RESTful services, Node.js, Agile frameworks, Flask, .NET framework, Unity3D, Docker
- **Dev Ops:** Git, GitHub, and GitLab, CI/CD pipeline, and test-driven development
- **Tools:** Confluence, JIRA, Asana, Docker
- **Databases:** MySQL, and NoSQL, including GCP (Firebase, ETL) and AWS (Dynamo, S3, Lambda)
- **Software Developer** with 3+ years in implementing RESTful services and APIs, and IoT devices

EXPERIENCE

Software Developer, Paraverse Studio, September 2023 - Present

- 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, Mi Presence Inc., January 2022 - December 2022

- 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%.
- Created a responsive **web application** platform using **HTML, CSS,** and **JavaScript** for communication between employees
- Co-developed an **IoT** Accelerometer in **C language** to receive Interrupts from sensors to update services of vehicle conditions

PROJECTS | September 2019 - Present

NFC-Powered Exam Verification Robot with Web Interface

- 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
- Implemented a responsive web app using **JavaScript, and HTML/CSS,** featuring secure dashboards and role-based access for **real-time** exam monitoring

IoT-Enabled Autonomous Snow Clearing Robot

- 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

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

EDUCATION

Bachelor's in Computer Engineering, Carleton University, Ottawa, May 2024

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