Soham Parmar

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Personal Website: sohamparmar.com [Built with React + Tailwind CSS & hosted on Vercel]

SUMMARY OF QUALIFICATIONS

Languages	C++, C#, HTML, JavaScript/TypeScript, CSS, Python, Swift, Assembly, SQL
Tools/Libraries	ReactJS, Next.JS, Vercel, Node.JS, ExpressJS, Google Cloud Platform, PostgreSQL, Azure ML, Linux, REST APIs, VSCode, Git, Heroku, React Native, Flutter, Replit, Postman, Jira, Raspberry Pi

EXPERIENCE

Peak Gaming (peakgaming.ca) – CTO & Co-Founder   March 2022 - Present

- Co-founder of a fair, free-to-play video game tournament service that brings competitive gaming to casual players
- Achieved **100+** people on the waitlist on day of launch and currently manage a userbase of **200+** gamers
- Led design and development of the service and created a **Responsive Next.JS Statically Rendered React App** hosted on **Vercel** and connected to a **Firebase** backend
- Utilized Google OAuth to authenticate Peak Users and a Firestore NoSQL database to store tournaments, along with tournament business logic being handled using serverless Google Cloud Functions

Year Zero Studios – Software Developer   January 2022 - April 2022

- Worked with product managers using **Agile** Software Development principles to significantly improve upon a **Next.JS SSR ReactJS web app** that allows wellness instructors to display their offerings on their custom personal page
- Coded numerous frontend features that integrated with GCP (Firebase) backend logic to improve user experience
- Led the migration from **Firebase** to **Cloudinary** for image storage to eliminate cloud image bucket costs **completely**
- Spearheaded expansion of user auth to integrate **Facebook** into the available methods of authentication
- Created and integrated a custom infinite scroll hook to procedurally load data as user scrolls. **Reduced the page load time** of the most visited wellness page by **56%**

PROJECTS

Inventory Management System   **ReactJS, Node.JS, Express.JS, Docker, Google Cloud, PostgreSQL**

- Developed a **full stack** inventory tracking web application equipped with **CRUD** functionality to handle persistent data of inventory items and inventory history via a **PostgreSQL** database hosted on **Heroku**
- Created a frontend web app using **ReactJS** to display existing data within PostgreSQL database and allow for data manipulation such as editing and deleting inventory items
- Containerized **ExpressJS** based API Layers using **Docker** and deployed using **GCP Cloud Run**

MNIST Neural Network   **Python, NumPy**

- Programmed a custom **Deep Neural Network** to recognize and classify handwritten digits from the MNIST Dataset with **~92% accuracy**
- Does not use high-level third-party AI/ML libraries, opting instead to create a fully-connected **Neural Network from scratch** consisting of one hidden layer, ReLU & Tanh activated nodes for forward propagation, and gradient descent calculations for back propagation

CERTIFICATIONS

Bloomberg Certified: Bloomberg Market Concepts   Issued March 2022
- Gained Knowledge in Bloomberg Terminal usage, Economic Indicators, Currencies, Fixed Income, and Equities

Microsoft Certified: Azure AI Fundamentals   Issued August 2021
- Gained Knowledge in ML principles, Computer Vision, Custom Vision, NLP, and Conversational AI

EDUCATION

University of Waterloo   September 2021- April 2026
Bachelor of Applied Science in **Computer Engineering** – GPA: 4.0/4.0   Waterloo, Ontario
Dean's Honours List for Fall 2021 Term