

Sushrut Dhakal

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Education

University of Waterloo · Bachelor of Computer Science and Statistics · Waterloo, Ontario Graduation: May 2027
Related Coursework: Functional Programs, Algorithm Design and Data Abstraction, Tools and Techniques for Development

Experience

Front End Developer · Toronto, Ontario ·
AI Arena

May 2024 - Aug 2024

- Overhauled frontend using **React** and **TypeScript**, formalizing data flow with **Jotai**, which reduced **development time by 40%** and decreased **bug incidents by 30%**
- Engineered interactive 3D visualizations with **Three.js** and **WebGL**, increasing **user engagement by 60%** and reducing **rendering time by 20%**
- Designed data-driven visualizations with **D3.js**, improving **data insights by 45%** and reducing **processing time by 25%**

Full Stack Developer: Project Lead · Santa Clara, California ·
STEM Away

May 2023 - Aug 2023

- Lead a team of 5 developers using **Agile workflow** to deploy a plugin using **AWS**, attracting **200+ users**
- Engineered using JavaScript, HandlebarsJS, Ruby on Rails, and CSS, enhancing performance by **50%** and increasing page load efficiency by **20%**
- Initiated performance optimizations, leading to a **35% surge in operational efficiency** and a **15% rise** in engagement

Coding and Game Theory Intern · Toronto, Ontario ·
TAC Sports

May 2022 - Aug 2022

- Amplified TAC Sports website, leveraging **Google Analytics** to slash **loading times by 150%**, enhancing user retention
- Cultivated tech talent by instructing **200+ students** in Python, React, and TailwindCSS, returning a **95% satisfaction rate**
- Elevated branch **efficiency by 40%**, leading **10 staff** in **QA testing** and reviews, resulting in doubled project delivery speed

Projects

SpeedSelect · Deep Learning, OpenAI API, Firebase, React, Docker, Django, AWS, Figma



- Crafted a web app for making recruiting more interactive and organized, **achieving 100% of positive feedback** from users
- Trained a **deep learning model** using Tensorflow and the **confusion matrix** algorithm to recognize hand gestures for short-listing or rejecting candidate resumes, achieving **98% model accuracy**
- Built and deployed the web app using Figma and **MERN stack** with GPT filtering mechanics and Firebase, facilitating secure **CRUD operations** and deployment on AWS.

NimbleCoder · Svelte, Express.js, Node.js, TailwindCSS, SQLite, Azure



- Forged a coding practice platform, attracting **800+ views**, revolutionizing learning for developers with multi-language support, elevating code accuracy by **50%**
- Elevated interface with Svelte, HTML, TailwindCSS, and SQLite database, achieving a **60% increase** in cognitive ease
- Refined workflow using TypeScript, developing advanced key press and file read algorithms, reducing developers debugging time by **35%**, resulting in **20%** longer coding session durations

Note Taking Plugin · HandlebarsJS, Ruby on Rails, Redux, JavaScript



- Masterminded a branch plugin for admin interfaces, catalyzing a **25% leap** in user engagement with cutting-edge features
- Boosted **efficiency by 20%** through strategic leadership in SDLC, significantly enhancing productivity and client satisfaction
- Orchestrated the development of a HandlebarsJS server for Discourse, achieving a **30% reduction** in data retrieval times

Slack4Uni · Python, SQLite, Slack API, Bolt · HoyaHacks 22' Winner



- Achieved **99.9% API uptime**, ensuring uninterrupted access for **1000+ users**, leveraging Python, SQLite, and Bolt
- Collaborated with **5 developers**, resulting in a **40% reduction** in SlackAPI, response time and **95% decrease** in bug reports
- Secured **first place** in Georgetown University's hackathon featuring **500+** participants by deploying a **Waterfall model**

Skills

Languages

Go, Python, JavaScript, C++, C, SQL, R, Swift, Kotlin, HTML, CSS

Technologies

React, TypeScript, NodeJS, Next.js, APIs, Tailwind, Svelte

Tools/Frameworks

Django, AWS, Git, OpenAI API, MongoDB, Firebase, Bootstrap, NumPy, OpenCV