

# Sushrut Dhakal

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## Education

University of Waterloo · Bachelor of Honours Mathematics · Waterloo, Ontario

Graduation: May 2022

Related Coursework: Functional Programs, Algorithm Design and Data Abstraction, Tools and Techniques for Development

## Experience

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

May 2022 - Sept 2022

- Pioneered **Agile workflow** for Discourse, enhancing productivity by **30%** across **800+ contributors** by leading a team of 5 developers to develop a plugin, attracting **200+ users**
- Engineered and deployed an advanced app using JavaScript, HandlebarsJS, Ruby on Rails, and CSS, enhancing performance by **50%** and increasing page load efficiency by **20%** through code reviews and **QA testing**
- Initiated performance optimizations, leading to a **35% surge in operational efficiency** and a **15% rise** in engagement

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

Apr 2022 - July 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, ReactJS, and TailwindCSS, returning a 95% satisfaction rate
- Elevated LSA branch **efficiency by 40%**, leading **10 staff** resulting in doubled project delivery speed

SATEC @W.A Porter · Peer Tutor · Toronto, Ontario

Oct 2021 - June 2023

- Formulated and executed an educational framework, synergizing with faculty to **escalate student retention by 30%**
- Constructed and deployed personalized academic algorithms, augmenting student performance by **20%** in assignments
- Initiated and programmed an interactive STEM learning module, catapulting proficiency levels by **40%** for **200+ students**

## Projects

Note Taking Plugin · HandlebarsJS, Ruby on Rails, JavaScript



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

Weather Whenever · WeatherAPI, Firebase, React, Chakra-UI, Figma



- Crafted and launched a web app, revolutionizing weather appropriate outfits, spiking **user interaction by 35%**
- Spearheaded the rapid development of a **RESTful API** using React and WeatherAPI, achieving **95% user satisfaction** and increasing daily active users by **50%**
- Implemented a robust **user authentication system** with Firebase, facilitating secure **CRUD operations** for **150+ users** and reducing authentication time by **40%**

NimbleCoder · Svelte, TypeScript, HTML, TailwindCSS, SQLite



- 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

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** allowing project completion in 2 days

## Skills

### Languages

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

### Technologies

Firebase, NodeJS, AJAX, React, APIs, Tailwind, Svelte, TypeScript

### Frameworks

Matplotlib, Pandas, NumPy, Scikit, Keras, Tensorflow, Bootstrap, Django, .NET

### Developer Tools

AWS, Azure, Git, GPT, Docker, Google Analytics, Google Cloud