Sushrut Dhakal

✉ s4dhakal@uwaterloo.ca | ⌂ Portfolio | ⦿ sushrutdhakal | in sushrutdhakal

Education

University of Waterloo · Bachelor of Honours Mathematics · Waterloo, Ontario **Graduation: May 2027**

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
- Programmed and curated 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
- Strategically steered a **team of 5 developers** in the meticulous deployment of the **App Design Process**, dramatically streamlining efficiency and output quality
- 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 **versatile 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 dynamic 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, Go, Python, C++, JavaScript, TypeScript, HTML, CSS, Racket, C
Technologies	Firebase, NodeJS, GPT, Git, AJAX, React, Bootstrap, Bulma, APIs, Tailwind, Svelte, TypeScript
Databases	MongoDB, SQL-Injections, SQLite, MySQL