

Sarthak Agarwal

Software Engineer

www.sarthakagarwal.dev

[linkedin.com/in/sarthak-agarwal](https://www.linkedin.com/in/sarthak-agarwal)

sarthaka@buffalo.edu

+917983798133

EXPERIENCE

Full-Stack Engineering: [Freelance Web Developer](#) (Jan 2021 - Present)

- Designed, developed, and maintained highly-responsive websites using **HTML, CSS, ReactJS, NodeJS, MongoDB, and Adobe Creative Suite**.
- Collaborated with clients to understand their business needs and deliver customized solutions that improved their online presence and productivity.
- Implemented SEO best practices, building long-lasting client relationships resulting in referrals.

Full-Stack Engineering: [Digital Currency Street Journal](#) (Jun 2022 - Sep 2022)

- Launched DSCJ.org, a real-time cryptocurrency and blockchain journal with trend analysis.
- Designed user-friendly interface using **HTML, CSS, and JavaScript**.
- Researched, monitored, and managed DSCJ.org to optimize user experience.

Full-Stack Engineering: [Rye](#) (January 2023 - April 2023)

- Developed responsive, user-friendly, and stand-alone web applications using cutting-edge technologies such as **React, Node.js, HTML, and REST API**.
- Demonstrated ability to write efficient and maintainable code while following best practices in engineering.
- Proactively identified and resolved challenges to ensure timely delivery of projects while maintaining quality.

Back-End and Database Engineering: [Cypher: Password Manager](#) (Jan 2022 - May 2022)

- Led a team of four in designing and developing a secure password manager web application.
- Utilized **HTML, CSS, JavaScript frameworks and PostgreSQL** to build a robust and reliable platform.
- Empowered users to store and manage their passwords in a secure and encrypted manner.
- Implemented strict access control to ensure that only authorized users could access the platform.

Front-End Engineering: [UBLends](#) (Jan 2022 - May 2022)

- Collaborated with a team of four to develop an online marketplace for the University at Buffalo, providing a platform for the community to buy, sell, and rent products without middlemen interference.
- Demonstrated proficiency in front-end design and development by utilizing **ReactJS, HTML, and CSS to build a responsive and user-friendly interface** for the platform.
- Successfully delivered the project within the specified time frame to increase convenience for the community.

Hardware and Software Integration: [Frontline.AI](#) (Nov 2021 - Dec 2021)

- **Won 1st Place in University at Buffalo's yearly Hackathon (2021) out of hundreds of teams.**
- Constructed a mask vending machine with a team of three, utilizing **OpenCV, MIT App Inventor and Arduino**.
- Developed the vending machine to serve people entering grocery stores without masks during the pandemic.

EDUCATION

B.S IN COMPUTER SCIENCE

(University at Buffalo, Buffalo, NY)

December 2022

ASSOCIATE DEGREE IN COMPUTER SCIENCE

(De Anza College, Cupertino, CA)

SKILLS

• **PROGRAMMING LANGUAGES:** C | C++ | Java | Python | HTML | CSS | JavaScript(NodeJS/ReactJS) | Swift | PHP | IOS | Solidity | Bash

• **TOOLS AND TECHNOLOGIES:** SQL / MONGO-DB | REST APIs / Figma / Adobe Photoshop | JUnit / CUnit / GCOV / GPROF | Software Testing and Validation | MIT App Inventor | GitHub | AGILE - ZenHub | Arduino | OpenCV | Alchemy, MetaMask

CERTIFICATIONS: UDEMY: [Web Development Bootcamp](#) || UDEMY: [Master the C Language](#)