

# Arnav Choudhury

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## SKILLS

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**Languages:** Python, JavaScript, C, C++, Java, C#

**Technologies:** Django, Flask, Node, React, Svelte, Vite, Deno, Spring, .NET, Docker, Git, Pandas, S3, Lambda, MongoDB, Firebase, Maven, CMake, Selenium, Posgres, Vercel, Firebase

## WORK EXPERIENCE

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### Odoo

Buffalo, New York

*Full Stack Developer Intern | Python, JavaScript, XML, Posgres*

*June 2023 – September 2023*

- Developed and implemented 445 accounting schedule module, improving financial reporting accuracy enabling businesses to create custom fiscal schedules.
- Optimized SQL queries and database interactions for various fiscal schedules, resulting in a improvement in data retrieval.
- Navigated and contributed to a complex codebase of over 200,000 lines of code, developing a flexible fiscal schedule module that allows businesses to create and manage custom accounting periods.
- Contributed to code quality by writing comprehensive unit tests, achieving 90% test coverage for default modules incorporated into client solutions, and refactoring existing code to enhance maintainability.

### Santa Clara University EPIC Lab

Santa Clara, California

*Research Assistant | Python, JavaScript, XML, MySQL*

*February 2022 – June 2023*

- Architected and developed the web and mobile platform that enables SCU students to utilize public transit for accessing local events and restaurants, significantly reducing carbon footprints..
- Created a REST API connected to a MySQL database server facilitating efficient and real-time routing to enhance student accessibility to local amenities and restaurants

## PROJECTS

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### Study Rush | JavaScript, React, Python, Docker, Posgres, Tailwind

- A modern, AI-integrated flashcard website featuring automatic flashcard generation, immediate feedback quizzes, and AI study groups.
- Worked closely with the backend team to integrate APIs and conducted thorough testing to ensure a consistent and bug-free user experience across different pages.

### Virtual Cycling Leaderboard | Python, JavaScript, C#, HTMX, Firebase, Tailwind, Docker, Azure, .NET

- Virtually connects cyclists in virtual rooms where players can connect their BLE sensors to see each players speed, distance, heart rate, and cadence in real time.
- Deployed a .NET API micro-service that encodes player stats into FIT files where they can download and upload to their favorite sports tracking apps.

### Chill Spaces | Python, React, Firebase

- Developed a web application using that searches for the quietest and most relaxing spaces in a city with least traffic and noise pollution.
- Designed and implemented a an API that would rank the most desirable locations in a city after gathering data from multiple external sources.

## EDUCATION

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### Santa Clara University

Santa Clara, California

*B.S. in Computer Science and Engineering.*

*September 2020 – June 2024*

*M.S. in Computer Science and Engineering.*

*September 2024 – June 2025*

**Activities:** President of Triathlon Club

**Awards:** 2022 Santa Clara Inrix Hackathon Winner

**Coursework:** Software Engineering, Cloud Computing, Distributed Systems, Operating Systems, Compilers, Natural Language Processing