

Arnav Choudhury

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EDUCATION

Santa Clara University

B.S. in Computer Science and Engineering. Minor in Mathematics

Santa Clara, California

September 2020 – June 2024

RELEVANT COURSEWORK

Coursework: Cloud Computing, Databases, Distributed Systems, Operating Systems, Compilers, Advanced Algorithms, Mechatronics

SKILLS

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

Technologies: .NET, Docker, Git, Pandas, Django, AWS, MongoDB, React, Node, Firebase, MySQL, Posgres

WORK EXPERIENCE

Odoo

Full Stack Developer Intern

Buffalo, New York

June 2023 – September 2023

- Implemented 445 accounting schedule that affected platform functionality, resulting in more accurate financial reporting with unique schedules.
- Engaged with a sizable code repository, focusing on existing fiscal quarters to create a module that lets businesses create unique fiscal schedules.
- Ensured code quality and robustness by creating unit tests for modules incorporated into client solutions.

PROJECTS

Revision Control System using Raft | *Java, Spring, JavaScript, React, Docker, AWS EC2*

- Implemented a revision system where users file edits are tracked.
- Distributed system that supports consensus among nodes using the RAFT algorithm.

Virtual Cycling Leaderboard | *Python, JavaScript, C#, HTMX, Firebase, Tailwind, Docker*

- Virtually connects indoor cyclists in rooms where players can connect their sensors to see each others speed, distance, heart rate, and cadence in real time.
- Encodes their stats into FIT files where they can download and upload to their favorite sports tracker apps.

Carbon Footprint Tracker | *Python, React, Firebase, Docker*

- Created a carbon footprint tracker with React and Firebase that lets users calculate carbon emissions throughout everyday activities, visualize the long term impact of emissions, and gain recommendations to reduce emissions.

Chill Spaces | *Python, React, Firebase*

- Developed a web application using React and Flask that lets users find the quietest and most relaxing spaces in a city.
- Designed and implemented a Flask API that would calculate the most desirable locations in a city after gathering data from multiple external APIs.
- Coordinated tasks in a high pressure environment with a team of 3 to win second place at Santa Clara University INRIX hackathon.

ACTIVITIES

Santa Clara University Triathlon Club

Vice President

September 2022 – June 2024

- Organized the day to day club activities. Helped budget the team to travel to races.
- Trained and competed to finish sixth in the west coast triathlon conference and seventh at US Triathlon Collegiate Club Nationals.