Arnav Choudhury

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Skills

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

Technologies: Django, FLask, Node, Deno, Spring, .NET, Docker, Git, Pandas, AWS S3, MongoDB, Firebase, Maven, CMake, Selenium, SQL, Heroku, Vercel, GitHub Actions

Work Experience

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

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

Santa Clara University   Santa Clara, California

B.S. in Computer Science and Engineering.   *September 2020 – June 2024*
Minor in Mathematics

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