

ROSHNI VAKIL

PROFILE

Recently graduated computer science undergraduate student.

I consider myself persistent, reliable, and inquisitive.

I am looking forward to my first computer science related work experience.

CONTACT ME



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San Francisco Bay Area

PROJECTS PORTFOLIO

<https://roshni-v.github.io/my-portfolio/>

PROGRAMMING LANGUAGES

- **Excellent:** Java, Python
- **Proficient:** C, C++, HTML & CSS, JavaScript, SQL, Pandas Library
- **Familiar:** C#, XAML

EDUCATION

California Polytechnic State University, San Luis Obispo, CA

Bachelor of Science, Computer Science, 3.35 GPA

September 2020 - June 2024

Studied Abroad 2022 Fall Quarter in Rome, Italy

Relevant Coursework: Dynamic Web Development (Lit, TypeScript, Express), Intro to Computer Security, Intro to Operating Systems (C), Data Structures (Python), Design and Analysis of Algorithms (Java), Project-Based Object-Oriented Programming and Design (Java), Software Engineering I & II (.NET MAUI Blazor Framework), Intro to Data Science (Pandas), Intro to Database Systems (SQL), Systems Programming (C), Technical Writing for Engineers

EXPERIENCE

Student Software Developer

Demo Studios, Inc. | January 2024 - June 2024

- Developed full-stack user profile feature of Demo Studios, Inc.'s platform
- Researched and integrated user profile with auth0
- Designed user navigation of the web application
- Created a REST endpoint to communicate with the database to render and edit user details on the profile page
- Technologies used: React.js, Node.js, PostgreSQL, Auth0, TypeScript, JavaScript, Axios, Prisma

Library Research Assistant Technician (LibRAT)

Robert E. Kennedy Library | January 2021 - June 2024

- Conducted workshops about best practices and key facets of academic research
- Helped students both with navigating Cal Poly's informational databases
- Named LibRAT of the year for 2022-2023 school year

PROJECTS

(Further Elaborated in Projects Portfolio)

Vanguard ETF Analysis Tool | July 2023 - August 2023

- Developed a program that utilized web scraping to collect Vanguard ETF data
- Used Pandas for data visualization and analysis
- Created a shortlist of ETFs suitable for investment based on personal criteria
- Further details in the linked projects portfolio
- Technologies used: Python, Pandas, BeautifulSoup, Selenium WebDriver, Google Colab, Visual Studio Code

Museum App | October 2022 - December 2022

- Developed a .NET MAUI Blazor application for museums to advertise upcoming events
- The app allows users to view and register for these events
- Built the "Ticket Details" page and data collection logic behind it
- Contributed to the software development life cycle, including user stories, functional requirements, and UI prototypes using Figma
- Overcame challenges with data handling and input validation, implementing features across multiple pages
- Technologies used: .NET MAUI Blazor Framework, Radzen Component Library, Figma, C#, XAML, Visual Studio