Pravin Rajah

Berkeley, California • (510) 364-4091 • pravin.rajah@gmail.com • [Linkedin](#) • [Github](#)

EDUCATION

University of California, Berkeley | Berkeley, CA
B.S. in Electrical Engineering and Computer Science | GPA: 3.7   **Dec. 2027**

PROFESSIONAL EXPERIENCE

UC Berkeley | SIS - Quality Assurance Assistant | Berkeley, CA   **Jun. 2025 - Present**
- Developed automated tests to ensure the functionality and reliability of UCB's primary website, with 50,000 + users.
- Created QA processes with Ruby and Selenium to improve testing efficiency and enhance overall site performance.
- Collaborated with team members to identify and resolve issues, for a consistent and high-quality user experience.

Open Project | Full-Stack Developer HARP Contracting Project | Berkeley, CA   **Sep. 2024 - Dec. 2024**
- Utilized front-end development skills, including React and Firebase, to implement user authentication, dynamic UI improvements, and real-time features like word highlighting and note formatting.
- Applied knowledge of PostgreSQL, Amazon S3 storage, and Flask to integrate PDF processing through and data management functionalities, ensuring seamless user experience and data accessibility.

Care For Education | Website Designer | Colombo, Sri Lanka   **Sep. 2022 - Oct. 2023**
- Remote volunteer experience redesigning the organization's website and creating Facebook posts to enhance user engagement and boost organization's internet appearance using WordPress.
- Captured media to be directly implemented onto website and show direct impact of organization's work.

PROJECTS

Django Web Development | EECS Honor Society (HKN) CompServ Committee | Berkeley, CA
- Developed a dynamic course description feature using Django's template inheritance, allowing seamless integration with the existing base.html structure and URL routing.
- Implemented database-driven content management by designing and integrating a CourseDescription model with slug-based URLs for SEO-friendly and user-friendly navigation.

Stock Dashboard | Personal Project
- Developed full-stack analytics dashboard (React, Express using Yahoo Finance API to teach myself introductory concepts in quantitative finance and experiment with different ideas.
- Implemented charts for price trends, rolling volatility, drawdowns, CAPM beta/alpha.
- Built reusable UI components and backend APIs for metrics (CAGR, Sharpe, max drawdown, volatility)

Analysis of Dengue Virus Protein | Inspirit AI Research | Remote
- Focused on a researching method to destabilize dengue virus proteins using the diffusion models. Aimed to target key hotspots in viral proteins to disrupt their structure and function, preventing viral replication
- Used Pandas and Seaborn Libraries to visualize and analyze data via RMSD and other data metrics

LEADERSHIP EXPERIENCE

Board Member | Sierra Service Project | Sacramento, CA
- Provided perspective on service projects aimed at community improvement and advocated for youth initiatives requiring board approval creating larger youth attraction to student leadership within SSP
- Assisted in creating initiatives to draw new youth and engaging current youth community with SSP
- Started initiative to increase youth board membership involvement and advisory council membership by 45%.

TECHNICAL SKILLS AND COURSES

Programming Languages: Python, Java, Javascript, HTML, CSS, SQL, Ruby, Selenium, C, RISC-V
Frameworks: NumPy, Pandas, React.js, Next.js , Node.js, Flask, Django, Firebase, Tailwind, Cucumber
Technologies: WordPress, MS Suite, Git, Jira
Relevant Courses: Structure and Interpretation of Computer Programs, Data Structures and Algorithm, Designing Information Devices and Systems (I & II), Discrete Mathematics and Probability Theory, Great Ideas in Computer Architecture (Machine Structures)