SHAMITH PASULA

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EDUCATION

University of California, Berkeley   Berkeley, CA
Bachelor of Arts in Computer Science & Astrophysics   Expected May 2025
Cumulative GPA: 3.96/4.00
Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Security, Discrete Math & Probability, Physics

WORK EXPERIENCE

ZIPRECRUITER   Santa Monica, CA
Software Engineer Intern   May 2023 - August 2023
- Spearheaded development of system for serving banners across 500+ ZipRecruiter frontends, replacing fragmented services.
- Overhauled legacy Perl system, utilizing **Express**, **React.js**, and **Next.js** through gRPC and HTTP for security/scalability.
- Strengthened SEO and UX by reducing page load times by 40% with server-side rendering and static site generation.
- Streamlined the process of adding new banners to a 1 file change, enhancing productivity within the development team.

ATLASSIAN   Berkeley, CA
Senior Developer Consultant   August 2022 - December 2022
- Architected integration between Compass and Jira through Forge, facilitating communication across engineering disciplines.
- Headed team of 5 developers to reduce time-to-resolution for issues by 25%, leveraging agile methodologies and **CI/CD**.
- Constructed **NLP**-based algorithm to group 1000s of issues by similarity through AWS EC2 to save time for end users.

ENVESTNET   San Mateo, CA
Software Engineer Intern   June 2022 - August 2022
- Designed embedded finance solution for Envestnet to reach underprivileged communities through microlearning.
- Customized 30+ UI pages for Envestnet portal with **React.js**, utilizing **Redux** and **Redux Saga** for state management.
- Assembled full suite of end-to-end testing and integrated them into **CI/CD** to improve development for ~1000 employees.

INSPIRIT AI   Stanford, CA
Instructor   June 2022 - August 2022
- Tutored 20 high-school students on **AI** fundamentals, including linear regression, **CNNs**, and **NLP**.
- Mentored students in **Python**, **Tensorflow**, and **Scikit-learn** to create a distracted driver image classifier with 92% accuracy.
- Directed college prep workshops for 100+ students, collaborating with graduate students from Stanford, MIT, etc.

ASSISTIVE TECHNOLOGY DEVELOPMENT   Berkeley, CA
Software Engineer Intern   January 2022 - May 2022
- Fabricated cost-effective pneumatic device to treat lockjaw, collaborating with 6 engineers at a SkyDeck-backed company.
- Developed **Python** GUI and firmware for **Arduino** microcontroller to ensure a smooth, user-friendly experience.
- Analyzed 5 key competitors and explored a range of methodologies aimed at patient-specific needs when aiding jaw opening.

ORGANIZATIONS

SPACE TECHNOLOGIES AT CAL (STAC)   Berkeley, CA
Member   January 2023 - Present
- Programming electron spin resonance experiment on NV-center diamond in 8 x 8 inch satellite launching in 2024.
- Optimizing multithreaded **C** code for UART and SPI communications for STM microcontroller, yielding a 100x speedup.

PLEXTECH   Berkeley, CA
Instructor → Project Manager → Treasurer → President   January 2022 - Present
- Pioneering **full-stack** web portal for 50+ club members to slash reimbursement approval time from 6 months to 1 week.
- Overseeing web dev education and technology consulting nonprofit with $100k annual revenue and 5% acceptance rate.

SKILLS

Languages: Python, C/C++, TypeScript, Java, HTML/CSS, SQL, Rust, Go, Ruby, Perl, SwiftUI, Kotlin, x86, RISC-V, Verilog
Technologies: React.js, Next.js, Redux, GraphQL, MongoDB, Flask, jQuery, Selenium, TensorFlow, NumPy/Pandas, AWS