

APAR MISTRY

aparmistry0518@gmail.com

(714)-267-6738

Orange County, CA, United States

[LinkedIn](#)

EDUCATION

University of California, Riverside

Bachelor of Science, Computer Science, expected June 2025

- **Current Cumulative GPA:** 3.01/4.0 - 6x Dean's List Recipient, Chancellor's Honors List
- **Relevant Coursework:** CS010A-C(Introductory Computer Science Course Series), CS061(Machine Organization and Assembly Language Programming), CS100 (Software Construction), CS180(Software Engineering), CS120A-B(Logic Design and Embedded Systems), CS153(Operating Systems), CS141(Data Structures and Algorithms), CS161(Computer Architecture), ENGR 180W(Technical Writing), CS110 (Web Design) , CS111(Discrete Structures)
- **Campus Organizations:** Association for Computer Machinery, PiLabs, CutieHack(Board Member), UCRAas, UCR South Asian Federation, UCR Indian Student Association

RELEVANT EXPERIENCE

Trade Insightfully LLC

Software Engineer - Per Diem

Oct 2023 - Present

- Lead engineer overseeing all of Trade Insightfully's data collection and distribution means
 - Combining websocket technologies alongside various GCP API's providing options data to elite traders all over the country
 - Sole software architect in developing their tech stack
- Significantly reduced data processing and posting times from 10 minute delays to 15 seconds
- Successfully cleaning and processing real time data to ensure informed client decisions in the market
- Effective communicator
 - Regularly interfacing with the founder on technical needs
 - Articulate complex technical details in a manner for the founder to understand

Mayo Clinic

Software Engineer Intern(Inaugural Intern) - Full Time

Jun 2022 - Present (15 months)

- A core contributor to the Clinical Calculators team at the Mayo Clinic
 - Directly made improvements to Mayo Clinic's Intelligent Knowledge Resource platform, allowing effective integration with providers
 - Introduced the prepopulation feature as an Azure Function App - allowing EPIC patient data to populate proprietary calculators
 - Contributed to expanding Mayo Clinic's suite of features while abiding by FHIR protocols
 - Led productive pair-programming sessions with senior engineers to complete agile sprint goals
 - Utilized and updated proprietary NPM libraries throughout internship
- Independently leading projects to boost productivity of admin engineers
 - Built out a dynamic monitoring dashboard, displaying the service health and relevant metadata with React and NextJS
 - Implemented server-side-rendering(SSR) to reduce wait times by 60%
 - Consumed Mayo Clinic's proprietary ElementUI SASS library to match style precedents
 - Conducted design and weekly check-ins with my user group to ensure maximum satisfaction
- Co-lead Engineer for the Intelligent Care Pathways(ICP) Team
 - A high profile project at Mayo Clinic, ICP's main goal is to better patient care through all facets starting at the physician level.
 - Refactored an entire legacy project with ICP's goals in mind to accommodate a Next.JS SSR frontend
 - Redesigned API functionality through various packages such as Ramda.JS

- Working with senior management on improving the internship program
 - Collaborate closely with senior management to analyze the current internship program, identifying areas of improvement and recommending strategies for enhancement.
 - Assist in the development and implementation of new initiatives to create a more engaging and effective internship experience, ensuring alignment with the company's overall objectives and values.
 - Conduct thorough research on industry best practices, trends, and competitor programs to provide informed suggestions for program development.
- Consistently managed rigorous coursework throughout the full time schedule

AVIEW International

Software Engineer - Full Time

Jan 2022 - May 2022 (4 months)

- As AVIEW International's first engineer, I was in charge of building and designing the architecture of their platform
- Built out Aview International's website from scratch as the leading engineer behind the project
 - Maintained agile programming practices and created test-benches for all additions to the site
 - Programmed in Javascript and CSS using React Framework
 - Used testing frameworks such as Cypress to ensure API driven material is served
- Dynamically relayed the designs of the UX/UI team to communicate their design vision onto the site
- Designed a full stack website that is well documented for scalability and future developments

University of California, Riverside

Undergraduate Research Assistant - Part Time

Oct 2020 - February 2022 (1 year and 4 months)

- Worked with a team of 5 students and researchers on exploring solutions that bridges bioinformatics and AI
 - An NLP tagger targeted towards medical text using the UMLS ontology
 - Languages/Frameworks: HTML, CSS, Python, Tensorflow, Javascript
- Led a team on an application that indexes and generates a score in regards to the availability of food under the light of treating it as a social determinant of health.
- Implemented data analysis methods in Python in conjunction with database principles in MySQL to create a RESTful API for the NIH's UMLS ontology.
 - Combined the API with Amazon Alexa API for a brief POC
- Applied data analysis methods in Python to analyze over 200,000 Kickstarter projects from 2008-2016
 - Collaborated on an interactive website containing graphics that display various analytics using React, Python, HTML, and CSS
 - Utilized Agile development methodologies to bring the solution to fruition

Amelia (formerly known as Pause Co.)

Software Engineer Intern - Full Time

Oct 2019 - Apr 2020 (7 months)

- Worked alongside the CTO and design team to design a native solution for Amelia on Android Platforms as well as a suitable web interface
 - Programmed in Java, Python, HTML, CSS, and Javascript. Completed with agile planning methods
- Learned how to use Android Studio and create a user experience that is beneficial to the user
 - Implemented mostly through the JavaScript web app and converting it to a native platform
- Gained experience working as a full-stack engineer throughout the internship in a startup setting

ADDITIONAL SKILLS

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- Experience using various programming languages and frameworks such as: Python, Java, C++, Javascript, React, HTML, CSS, GoogleTest, AWS, Alexa Framework, Tensorflow, MySQL, NodeJS, Microsoft Azure, SASS, Cypress, Ramda, GraphQL
 - Well versed in Linux, Windows, and MacOS operating systems
 - An effective and enthusiastic leader
 - Experience using the Adobe Suite and Microsoft Office Applications
 - Team Player

- Strong communications skills