

Parth Singh

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Education

California Polytechnic State University, Pomona
Bachelor of Science in Computer Science | 06/2024
GPA: 3.8/4.0

Relevant Courses: Data Structures, Web Development, Mobile App Development, Numerical Methods, Linear Algebra, Calculus, Object Orientated Design, Machine Learning, Cloud Computing, Operating Systems, Computer Architecture

Skills

Java, Python, Javascript, React, Bootstrap, HTML, CSS, C, C++, Linux, Kotlin, Flutter, Dart, Office, Web Development, Databases, MongoDB, Machine Learning, Android Development, Team Management, Conflict Resolution, Mentoring

Experience

University Student Housing
Event Lead | 07/2021 - Present

Planned & hosted social/educational programs for 2800+ students, oversaw the maintenance of administrative records, and enforced housing policy.

Cal Poly Pomona
Research Mentee | 10/2021 - 05/2022

Explored advanced partial data processing techniques tailored for parallel/distributed processing platforms, conducted extensive research on machine learning-based approaches for precision agriculture applications, and diligently delivered weekly reports to the research lead.

Software Engineering Association
Co-President | 07/2021 - 02/2022

Effectively led a team of 5 members, created weekly board meeting agendas, secured sponsorship from Amazon to fund events, and handled delegation of responsibilities to fellow board members.

NASA L'SPACE Proposal Writing and Evaluation Academy
06/2021 - 08/2021

Gained experience in the process of writing, reviewing, and scoring proposals. Collaborated with a diverse team to research innovative concepts. Competed for \$10k in funding.

Projects

Reportify — Web App

- Developed a Python-based web application that converts YouTube video content into comprehensive text reports, complete with summaries and transcripts.
- Implemented machine learning algorithms for summarization and YouTube APIs for data retrieval.
- Python, Flask, HTML, CSS, Bootstrap, NLP

Sentiment Analysis — Web App

- Developed a sentiment analysis model using ml5.js, a JavaScript library for machine learning and creative coding.
- The model efficiently scores the sentiment of text, assigning values between 0 ("negative") and 1 ("positive") to gauge the emotional tone of textual data.
- Javascript, HTML, CSS, NLP

Zodiac — Android App

- Engineered an Android app, Zodiac, leveraging Java and Android SDK, to provide astrology-based horoscopes.
- Implemented API integration for dynamic content delivery.

- Kotlin, Java, Android SDK

Vocab Squares —Chrome Extension

- Empowered users to rapidly expand their word knowledge by accessing synonyms, definitions, and example sentences of words.
- Javascript, HTML, CSS

Awards

AP Scholar, Deans List 2020-2022, Presidents List 2020-2022