

Aniket Pratap

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EDUCATION

University of California Irvine

Bachelor of Computer Science

Expected June 2024

Master of Computer Science

Expected June 2025

EXPERIENCE

Natural Language Processing Researcher

June 2023 - Aug 2023

University of California Irvine

Irvine, CA

- Crafted machine learning models to analyze user intention, which governed a bot to facilitate chat conversations
- Fine-tuned GPT2 using PyTorch and user data to achieve an accuracy of 98% when analyzing user sentiment, leading to refined bot messages and user engagement in focus groups
- implemented NumPy and vectorization to reduce model training speeds by 40%, allowing for a faster iterative training process

Software Engineering Intern

June 2022 – Aug 2022

Cordis

San Diego, CA

- Trained 1000 analysts on Oracle Analytics by creating a structured web course, which saved \$10,000 when compared to third party implementing the training
- Skyrocketed productivity by automating sales mapping of 800 regions using Python, Pandas, and NumPy, preventing manual input of data and saving employee time
- Leveraged Oracle Analytics Cloud and data warehouse to publish 20 dynamic dashboards forecasting profits and highest sellers, increasing customer precision and focus margins to maximize future sales

PROJECTS

SideQuest | React Native, Firebase, Redux, Location, Authentication

Aug 2023 - Present

- Spearheading a React Native app, revolutionizing job opportunities by connecting local freelancers and users
- Implemented robust user authentication using Firebase and Redux, enabling users to remain logged in once app is reopened
- configured location tracking to store longitude and latitude coordinates per user post to display user requests and freelancers in the area

CropCube | Figma, C

May 2023

- Won a \$1000 semi-final prize in Irvine hackathon by working with 3 colleagues to develop a vertical farm that automates and innovates gardening and focuses on sustainability

Shell | C, Linked List, Forks, Pipes

May 2023

- Implemented a Linux-based shell that processes user input, allowing for directory changes, file redirection and creation, and custom color configuration
- Ranked first place in class by developing an efficient unlimited piping system with colleague by interchanging pipes when a process finishes, resulting in a total of 3 pipes rather than n pipes for an unlimited input
- Established linked list and signal handlers to dynamically remove zombie and background processes, which sped execution time of commands

Pokemon Search Engine | JavaScript, Axios, APIS, Node.js, CSS, HTML

Jul 2022

- Developed a front-end website with JavaScript, serving a REST API with HTML and CSS, which was utilized by UCI's Pokemon community to aid in-game events
- Integrated Node.js and Axios to retrieve information for 1000+ Pokemon, including moves, types, and statistics
- Achieved positive user reviews by implementing asynchronous functions to grant access to the remaining website as a query loads

TECHNICAL SKILLS

Languages: Python, C, C++, HTML, CSS, JavaScript, SQL, R, Swift

Frameworks: React, React Native, Tailwind, Node.js, Flask, Django, Bootstrap

Developer Tools: Vim, Git, Docker, Firebase, npm, Figma

Libraries: Axios, Pandas, NumPy, TensorFlow, PyTorch, Redux