

# Aniket Pratap

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## EDUCATION

### University of California Irvine

*Bachelor of Computer Science*

3.83 GPA

*Expected Jun 2024*

### University of California San Diego

*Master of Computer Science*

*Expected June 2025*

## EXPERIENCE

### Software Engineering Intern

Apr 2023 - Present

*Ekastar*

*Remote*

- Contributed to the integration between Shopify and QuickBooks, ensuring smooth data transfer and compatibility
- Established robust and intuitive UI components to ensure seamless user experience across company-owned startups, facilitating their successful deployments
- Leveraged JIRA to implement agile techniques, which included ticket submission and the quality testing

### Software Engineering Intern

June 2022 – Aug 2022

*Cordis*

*San Diego, CA*

- Trained and transitioned 1000 analysts from Tableau to 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 employees 1 week
- 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

### ZotClass | *React Native, Android, ios, ZotAPI*

December 2023 - Present

- Engineered a robust "super-app" enabling UCI students to seamlessly browse available courses
- Implemented real-time class status updates to enhance accessibility and user satisfaction
- Conducting beta testing with a cohort of 30 UCI students to refine and optimize user experience

### Optimized Compiler | *C#*

Apr 2024 – June 2024

- Achieved an 80% reduction in SSA instructions generated by implementing copy propagation and common sub expression elimination
- Created a graph using DOT language to visualize basic block diagrams and label dominating blocks
- Improved compiler efficiency by recursively optimizing while loops, eliminating redundant instructions, and updating the symbol table in subsequent iterations

### ZotAPI | *Python, BeautifulSoup, AWS, Lambda, DynamoDB*

December 2023

- Engineered a sophisticated web scraper to extract, parse, and clean comprehensive data from university course listings, enabling the development of a robust API
- Optimized performance by implementing AWS Lambda, harnessing parallel execution to achieve a remarkable 99% increase in scraping speed through enhanced concurrency. Leveraged DynamoDB to store course data, ensuring seamless and efficient querying capabilities
- Empowered UCI students by providing a versatile API, resulting in its widespread adoption for diverse projects related to course exploration and development

### 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
- Implemented concurrent promise handling and lazy loading to speed up queries by 90%

## TECHNICAL SKILLS

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

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

**Developer Tools:** Vim, Git, Docker, Firebase, npm, Figma, Tableau, Oracle Analytics Cloud

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