

Aniket Pratap

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EDUCATION

University of California San Diego

Master of Computer Science

Expected Dec 2025

University of California Irvine

Bachelor of Computer Science

3.83 GPA

Graduated Jun 2024

TECHNICAL SKILLS

Languages: Python, C, C++, C#, .NET, DOT, HTML, CSS, JavaScript, SQL, R, Swift, CUDA

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

EXPERIENCE

Algorithms Intern

KLA - MACH

Present - Sept 2025

Ann Arbor, MI

- Parallelizing ProEtchCL with CUDA to do high-performance physics simulations

Software Engineering Intern

Ekastar

Apr 2024 - Sept 2024

Remote

- Collaborated with the software development team on Ekastar.com and Order Management System
- Engineered 3+ dynamic dashboards using React, Tailwind CSS, and TypeScript, enabling customers to monitor product data, delivery status, and automation
- Integrated 4 user authentication pages with .NET API endpoints, enhancing security and user experience

NLP Researcher

University of California Irvine

June 2023 - Apr 2024

Irvine, CA

- Scraped web text data to craft a machine learning model 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 increase model training speeds by 40%, allowing for a faster iterative training process

Software Engineering Intern

Cordis

June 2022 - Aug 2022

San Diego, CA

- Spearheaded the transition of 1000 analysts from Tableau to Oracle Analytics by developing a comprehensive web-based training program, saving the company \$10,000
- Boosted productivity by automating the sales mapping process for 800 regions using Python, Pandas, and NumPy, reducing manual data input and saving a week of labor
- Published 20 dynamic dashboards utilizing Oracle Analytics Cloud and a data warehouse, improving profit forecasting and sales targets

PROJECTS

ZotClass | React Native, Android, iOS, ZotAPI

[Download](#)

- Developed a full stack React Native "super-app" enabling UCI students to explore available courses effortlessly
- Implemented ZotAPI to retrieve real-time class status, descriptions, and prerequisites to enhance user experience
- Currently has over 1000+ active users

ZotAPI | Python, BeautifulSoup, AWS, Lambda, DynamoDB

[Link](#)

- Designed a python web scraper to extract, parse, and clean data from university course listings, forming the backbone of a robust API
- Improved scraping performance by 99% using AWS Lambda for distributed execution, ensuring faster data processing and storage in DynamoDB for efficient querying
- Empowered UCI students by offering a versatile API widely adopted for course-related projects