Aniket Pratap

858-353-6626 | aniketpx@gmail.com | [Linkedin](#) | [Github](#) | [Website](#)

EDUCATION

University of California Irvine <div align="right">3.83 GPA</div>
Bachelor of Computer Science <div align="right">*Graduated Jun 2024*</div>

University of California San Diego
Master of Computer Science <div align="right">*Expected Jun 2026*</div>

EXPERIENCE

Software Engineering Intern <div align="right">Apr 2024 - Present</div>
Ekastar <div align="right">*Remote*</div>
- Interned on the software developer team and worked on Ekastar.com and OMS Shipping Tracker
- Leveraged React, Tailwind, and TypeScript, to create 3+ dashboards where customers view data regarding their products, delivery status, and automation
- Connected 4 user authentication pages with .NET API endpoints

Software Engineering Intern <div align="right">June 2022 – Aug 2022</div>
Cordis <div align="right">*San Diego, CA*</div>
- 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* <div align="right">December 2023 - Present</div>
- Engineered a robust React Native "super-app" enabling UCI students to browse available courses seamlessly
- Implemented ZotAPI to retrieve real-time class status, descriptions, and prerequisites to enhance user experience
- 100+ users currently have the app downloaded

Optimized Compiler | *C#* <div align="right">Apr 2024 – June 2024</div>
- 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, Beautiful Soup, AWS, Lambda, DynamoDB* <div align="right">December 2023</div>
- 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* <div align="right">Jul 2022</div>
- 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#, .NET, 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