Aniket Pratap

858-353-6626 | Email | Linkedin | Github | Website

Education

University of California Irvine — Irvine, CA
Bachelors of Computer Science — *Expected Jun. 2024*
Masters of Computer Science — *Expected Jun. 2025*

Technical Skills

Languages: Python, C/C++, HTML/CSS, JavaScript, SQL, R, Swift
Frameworks: React, Tailwind, Node.js, Flask, Django, Bootstrap
Developer Tools: Vim, Git, Docker, Xcode, VS Code, PyCharm, IntelliJ, Eclipse, Firebase
Libraries: Axios, Pandas, NumPy, TensorFlow, PyTorch

Experience

Natural Language Processing Researcher — Jun. 2023 - Aug. 2023
University of California Irvine — *Irvine, CA*
- Developed machine learning models for sentiment analysis to predict user intention
- Fine-tuned GPT2 using PyTorch and Python, achieving 95% accuracy
- Optimized Kaggle data fine-tuned with gpt2-simple, reducing training speeds by 10%

Software Engineering Intern — Jun. 2022 – Aug. 2022
Cordis — *San Diego, CA*
- Trained 1000 analysts on Oracle Analytics, saving $10,000
- Automated regional sales mapping using Python, Pandas, and Numpy, saving 80% time
- Created 20 dynamic dashboards in Oracle Analytics Cloud from company's data warehouse

Coding Instructor — Jan. 2019 – Mar. 2020
Code Ninjas — *San Diego, CA*
- Curated personalized JavaScript projects, increasing attendance by 15%
- Successfully onboarded 200+ students through UC San Diego coding event
- Created a Python curriculum for drone programming, Roblox coding, and game development

Web Developer Intern — Aug. 2019 – Dec. 2019
Solana Center — *San Diego, CA*
- Refactored code base by 60%, used Bootstrap and Django
- Utilized SCRUM for efficient client request handling, delivered website three weeks early
- Improved customer carbon offset calculations by 20% using rainwater, composting, and zip code data

Projects

Shell | *C, Linked List, Forks, Pipes* — May 2023
- Implemented user input processing, directory changes, and file redirection
- Created an efficient unlimited piping system, reducing piping time by 90%
- Used linked list and signal handlers to dynamically remove zombie and background processes

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
- Utilized Node.js and Axios to retrieve Pokemon move, type, and statistics data
- Achieved 50% faster data request times with asynchronous functions

Huffman Data Compression | *C, Stack, Bit Vector, Tree Traversals, Encryption, Priority Queue* — Jul. 2022
- Visualized lossless compression saving around 60% of original data size
- Implemented a priority queue to create a tree based on character entropy, improving retrieval by 50%
- Rebuilt messages using a post-order traversal, stack, and bit vector to efficiently dump and rebuild the tree

Awards

Sustainablity Hackathon Semi-Finalist — May 2023
University of California Irvine — *Irvine, CA*
- Pitched and demoed our product as part of a collaborative team, securing a $1000 prize