

Adithya Anand

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EDUCATION

University of California, Irvine

June 2024

Bachelor of Science in Computer Science | GPA: 3.56

Irvine, CA

- **Achievements and Awards:** Regents' Scholarship, Dean's Scholarship, Dean's Honor List
- **Relevant Courses:** Databases & Web Applications, Data Management, Machine Learning, Project in AI

SKILLS

Languages: Python | C# | Java | HTML | CSS | JavaScript | TypeScript | SQL

Technologies: React | Angular | Node.js | Express.js | Nest.js | .NET | PostgreSQL | Git | PyTorch | NumPy | AWS EC2

RELEVANT EXPERIENCE

Software Engineer Intern, Digital Experience

June 2024 - August 2024

Kaiser Permanente

Pleasanton, CA

- Assisted rewrite from Java Spring backend to Nest.js architecture, taking full ownership of 4 complex routes
- Established correctness and quality of architecture by writing 51 test cases with 100% test coverage through Jest
- Maximized code base efficiency, cutting each file's size by 45%-55% while maintaining equal functionality
- Integrated 2 external API services into route, acquiring user information not contained in PostgreSQL database

Full Stack Engineer, Projects Committee

November 2022 - June 2024

UCI ICS Student Council

Irvine, CA

- Drafted project requirements document (PRD) on a team of 6 for a student-facing event scheduling website
- Designed schema for data objects using PostgreSQL and Drizzle ORM, mapping over 11 tables and their relations
- Implemented front-end user flow for scheduling via Svelte and TypeScript (TS), allowing users to setup meetings

Software Engineer, Ground Station Communications

April 2023 - January 2024

UCI CubeSat

Irvine, CA

- Programmed API on Express.js backend that returns downloadable CSV of up to 50,000 most recent satellite logs
- Mentored colleague, assisting with implementation of React components via hands-on guidance and diagrams
- Enforced TypeScript and data validation library Zod to ensure proper formatting and sanitization of API fields

Student Application Developer

January 2023 - June 2023

UCI School of Social Sciences

Irvine, CA

- Collaborated with 2 sponsors to streamline translation of website into React Native application through Figma
- Guided team of 4 in developing React Native application by task decomposition through Agile sprints and Kanban
- Created component that ingested 1070 data logs from Python web scraper and formatted data onto TS frontend
- Designed project poster and demoed mobile application to more than 300 attendees as a part of ICS Expo

R&D Software Developer Intern

June 2022 - September 2022

AVEVA

Lake Forest, CA

- Developed in-house JavaScript tool for real-time application status monitoring, slashing debugging time by 20-30%
- Maintained 5 Angular components in UI component library, adopted as style default in customer-facing products
- Reduced backend latency on performance tests from 100ms to 25ms through SignalR implementation in C# .NET
- Maximized error prevention efforts through 90% code coverage on Mocha and assigning 2 reviewers per pull request

PROJECTS

AI Electricity and Settlement Detection Model

January 2024 - March 2024

- Collaborated with team to preprocess and transform 18GB worth of satellite datasets for machine learning model
- Implemented 4 segmentation models with PyTorch Lightning, achieving median training accuracy of up to 80.6%

Movie Database Application

September 2022 - December 2022

- Programmed a 60,000 movie database JavaScript and Android application hosted on AWS through Tomcat
- Optimized MySQL database queries on Java backend using a JDBC driver to enable under 275ms movie searches
- Constructed an ETL pipeline to import, parse, and sanitize 10-65K line XML files and update the movie database

BlogRings Forum Website

August 2022 - September 2022

- Architected forum website with React and TypeScript, implementing authentication with Auth0 for secure login
- Instituted REST API with Express.js, enabling efficient blogging alongside a real-time chat feature using Socket.IO