

# Aditya Jadhav

📍 San Diego, CA ✉ aditya.jadhav7910@gmail.com 🔗 LinkedIn 🐙 GitHub 🌐 Portfolio

## Skills

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- **Programming Languages:** Python, Java, C++, C, JavaScript, HTML, CSS
- **Frameworks & Libraries:** React, Node.js, FastAPI, PyTorch, TensorFlow, NumPy, Pandas
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, Linux, Windows, AWS, Docker, LangChain, LangGraph, VS Code, Cursor, Figma
- **Core Concepts:** Object-Oriented Design, Data Structures & Algorithms, REST APIs, Debugging, Software Testing

## Experience

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### IT Security Programmer (Enterprise IT - ITS)

San Diego, CA

University of California, San Diego

Dec 2025 - Present

- Built and maintained Python-based automation pipelines and SQL workflows to process and validate enterprise system data across legacy and modern platforms, reducing manual review effort by 30% and improving operational reliability.
- Authored and validated RESTful application components supporting internal security services, producing 20+ automated test cases and technical specifications to strengthen system maintainability and audit readiness.

### Web Development Intern

Dallas, TX

NutrifitWorld

Jun 2025 - Oct 2025

- Delivered and deployed a responsive business platform integrating CRM automation, scheduling, and customer management workflows, increasing client engagement by 25% and reducing manual operations by 40%.
- Created analytics dashboards and automated marketing pipelines to track user behavior and campaign performance, improving lead conversion rates by 20% through data-driven optimization.

## Projects

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### AI-Powered Travel Planning Platform | Python, React, TypeScript, FastAPI, LangGraph, Docker, NATS, Grafana Jan 2026

- Led end-to-end design and implementation of a distributed, AI-powered travel planning platform, orchestrating 4+ autonomous agents using FastAPI and LangGraph to generate personalized itineraries for 50+ active users.
- Engineered scalable REST APIs and containerized 6+ microservices using Docker and NATS, reducing inter-service latency by 40% and enabling real-time performance monitoring through ClickHouse and Grafana.

### AI Chat Assistant | IBM Cloud, Watson Assistant, Node.js, Express.js, JavaScript, JSON Jul 2025

- Designed a cloud-based conversational assistant using IBM Watson Assistant and Node.js, implementing intent classification and dialogue management to handle 150+ test queries with 90%+ response accuracy.
- Improved API throughput and server-side workflows on IBM Cloud Functions, reducing average response latency by 15% and increasing system reliability under concurrent usage.

### Portfolio Website | React, Vite, JavaScript(ES6+), HTML5, CSS3, GitHub Pages, Git, Figma Jun 2025

- Developed a high-performance personal portfolio using React and Vite, implementing modular components, dark and light theming, and accessible navigation for enhanced user experience.
- Enhanced client-side performance and SEO through asynchronous API integration and asset optimization, improving page load times and overall site responsiveness.

## Education

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### Bachelor of Science in Computer Science

University of California San Diego

Relevant Coursework: Network Security, Cryptography, Machine Learning, Advanced Data Structures

Anticipated Jun 2027

### Associate of Science in Computer Science

Irvine Valley College

Relevant Coursework: Programming, Data Structures, Discrete Mathematics, Linear Algebra, Calculus I-III

Aug 2023 - May 2025

## Certifications

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### Code Generation and Optimization Using IBM Granite

IBM

Issued Jul 2025

- Applied generative AI models to generate, review, and optimize production-quality code, improving development efficiency and reducing debugging and rework time.
- Designed and tested structured prompting workflows to refine AI-generated outputs, ensuring alignment with coding standards, performance requirements, and maintainability best practices.