Aditya Jadhav

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EDUCATION

Bachelor of Science in Computer Science Expected Jun 2027
UC San Diego | San Diego, CA
Relevant Coursework: Advanced Data Structures, Software Engineering, Network Security, Cryptography

Associate of Science in Computer Science Aug 2023 - May 2025
Irvine Valley College | Irvine, CA

EXPERIENCE

IT Security Programmer (Enterprise IT, ITS) Dec 2025 - Present
UC San Diego | San Diego, CA

- Reported 6 configuration and access control findings from an authorized penetration test of an internal LLM platform under defined scope, and the owning team has fixed 3.
- Tested an AI assistant's Microsoft 365 email plugin integration under authorized scope and reported 17 findings under responsible disclosure guidelines.

Software Engineering Intern Jun 2026 - Sep 2026
Lumulus Technologies | San Diego, CA

- Brought a 15 to 20 minute task down to under 5 minutes by replacing a legacy internal tool and a paid third-party subscription with a Python/Qt Windows application for configuring USB-connected hardware devices.
- Validated read/write and data-integrity logic against published industry specifications as the sole engineer, shipped it with tests and documentation, then added CI/CD and a self-updating installer that replaced manual downloads.
- Delivered the company's first customer-facing application, sharing most of its logic with the internal tool, covered by tests and documentation.

Web Development Intern Jun 2025 - Oct 2025
NutrifitWorld | Dallas, TX

- Cut manual operations 40% and raised client engagement 25% by rebuilding the client's business platform on GoHighLevel with custom JavaScript and CSS.

PROJECTS

WatchTower (Production Observability Platform) May 2026
Tech: JavaScript, Node.js, Supabase, PostgreSQL, Clerk Auth, Jest, Playwright E2E, Render

- Led 11 engineers as backend tech lead and Scrum Master, shipped all 9 MVP features across 5 weekly sprints to a live deployment, and ranked first of the 6 teams assigned WatchTower in a 22-team UCSD software engineering course.
- Built the backend and CI pipeline by migrating SQLite to PostgreSQL on Supabase with Clerk authentication, and by gating merges behind 8 checks from lint and dependency audit through end-to-end tests at 80% line coverage.

TravelAGNTCY (Multi-Agent Travel Planner) Jan 2026
Tech: Python, FastAPI, LangGraph, React, TypeScript, Docker, NATS, Grafana

- Won Cisco's AGNTCY track at SANDHacks 2026 and built the React and TypeScript front end for a system where a LangGraph supervisor coordinates agents across 6+ Dockerized microservices on NATS.
- Reduced inter-service latency 40% and made agent-level failures traceable with structured logging and Grafana dashboards.

Stockroom (Inventory and Purchase Approval System) Oct 2026
Tech: C#, ASP.NET Core Razor Pages, Entity Framework Core, SQLite, xUnit, Playwright E2E, GitHub Actions

- Shipped an inventory and purchase-approval system in C# on ASP.NET Core and Entity Framework Core with 156 xUnit integration cases on business rules, authorization, transactions and races, plus 11 Chromium end-to-end cases.
- Wired a 7-job GitHub Actions pipeline that runs integration tests on Ubuntu and Windows with CodeQL scanning, and enforced database-backed role checks, login rate limiting and a strict Content-Security-Policy.

SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, C#, C++, Java, C, Bash, HTML, CSS
- **Backend and APIs:** ASP.NET Core, .NET, Entity Framework Core, FastAPI, Node.js, Express.js, REST API design, microservices, NATS messaging, LangGraph, multi-agent systems
- **Frontend and Data:** React, Vite, Tailwind CSS, Python/Qt desktop, PostgreSQL, Supabase, MySQL
- **Testing, CI and Infrastructure:** Jest, Playwright E2E, Vitest, xUnit, unit and integration testing, GitHub Actions, CodeQL, Docker, AWS, Render, Git, Linux, Grafana
- **Foundations:** Data structures and algorithms, object-oriented design, system design, distributed systems, Agile, Scrum

CERTIFICATIONS

- AWS Certified Cloud Practitioner (2026); AWS Certified AI Practitioner (2026)

LEADERSHIP

- **Founder and President, AI Club at Irvine Valley College** (2024-2025): Founded the college's first AI club and grew it to 150+ members, ran 5+ technical workshops averaging 30 attendees, and secured $2,000 in sponsorships.