Anish Dhandore

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EXPERIENCE

SGS NORTH AMERICA | Software Engineer
Feb 2025 -- Present | San Diego, CA
- Designed and implemented backend automation services in Python to orchestrate distributed validation workflows, supporting scalable execution of production test pipelines.
- Built modular and reusable service components and data parsers to standardize measurement ingestion and analysis across multiple device configurations and projects.
- Applied software engineering best practices including abstraction, modular design, structured logging, and robust error handling to improve system reliability, maintainability, and observability in a regulated environment.

SWIFT TECH | Software Developer
Mar 2023 -- May 2023 | Remote
- Developed and shipped frontend features using React and TypeScript, integrating REST APIs to support data-driven workflows used by internal stakeholders.
- Designed reusable UI components and service layers using object-oriented principles and patterns (Factory, Strategy), reducing duplicate code by approximately 25% and improving maintainability.
- Implemented analytics instrumentation and input validation using an observer-style pattern to track feature usage and user actions, supporting iterative product refinement and usability improvements.

GOOGLE DEVELOPER CLUBS | President
Jan 2022 -- Aug 2024 | CSUSM
- Led technical workshops on Python, C++, and software engineering fundamentals for 1000+ students, with focus on system design and performance optimization.
- Coordinated student teams for hackathons and projects, facilitating design discussions, code reviews, and technical collaboration.

CSUSM STEM SUCCESS CENTER | Computer Engineering Tutor
Aug 2021 -- Dec 2022 | San Marcos, CA
- Tutored undergraduate students in C++ programming, object-oriented design, data structures, and algorithmic problem-solving.
- Developed structured reference materials and example solutions to reinforce core software design and architecture concepts.

PROJECTS

DANCE AI | AI-Driven Software System — GitHub
2025 | World's Largest Hackathon (bolt.new) --- Prize Winner
- Built an end-to-end pipeline using a RoBERTa emotion classifier and SVR intensity model to convert text emotion into real-time dance animations in a React/Three.js UI.
- Exposed a Python backend via REST and WebSocket APIs, containerized with Docker, and shipped an interactive Gradio demo.

SOCCER MATCH PREDICTIONS | Machine Learning & Data Modeling — Colab
2022
- Built an ML pipeline on a 20-year Kaggle dataset; engineered features (home/away effects, goal differential) with robust cleaning and outlier handling; baseline linear regression achieved MAE 31.97 and RMSE 39.72.
- Delivered interpretable insights with Matplotlib/Seaborn and structured the notebook for easy extension with ensemble models and cross-validation.

PRESERVING PAWS | Django-Based Software Platform — GitHub
2021 | ST Hacks 2021 Hackathon --- Prize Winner
- Built a Django-based web platform for dog adoption and care coordination, using relational data models, asynchronous workflows, API integrations, and CI/CD to support concurrent users.

EDUCATION

CALIFORNIA STATE UNIVERSITY SAN MARCOS | M.S., Computer Science
Dec 2025 | San Marcos, CA

CALIFORNIA STATE UNIVERSITY SAN MARCOS | B.S., Computer Science
Dec 2023 | San Marcos, CA

SKILLS

LANGUAGES
C++ 17/20 (STL) • Python 3 • Java • Swift • TypeScript/JavaScript (ES6+) • SQL • C# • Bash

BACKEND
Node.js (Express/Fastify) • Python (FastAPI/Flask) • ASP.NET Core • REST/gRPC • WebSockets

FRONTEND
React • Next.js • Redux/RTK • React Query • Tailwind CSS • Chakra UI

DATABASES
PostgreSQL • MySQL • SQLite • MongoDB • Redis

CLOUD/DEVEOPS
AWS (EC2, S3, RDS, Lambda) • Docker • GitHub Actions • Firebase • Linux

AUTOMATION
CI/CD, Docker, Test Automation, Code Refactoring, Log Analysis

COURSEWORK

Advanced Algorithms, Cloud Computing, Database Systems, Machine Learning & Statistical Learning, Operating Systems, Computer Networks; Wireless Networks & Mobile Systems, Software Engineering (Design Patterns, Testing, CI/CD)

AWARDS

Dean's List (2020–2022)
Hackathon Wins: ST Hacks 2021; CSUSM 2022; LPL Financial 2023; World's Largest Hackathon 2025

LINKS

Portfolio:// **anishdhandore.github.io**
GitHub:// **anishdhandore**
LinkedIn:// **anish-dhandore**