

## TECHNICAL SKILLS

---

**Languages:** Javascript , Python , Typescript , C++ , Java , HTML , CSS , JSON

**Frameworks:** Node.js , Express.js , React.js , Next.js , TailwindCSS , Django , Firebase , PyTest , Kafka

**Dev Tools:** Git , GitHub , AWS (S3, EC2, Lambda) , Azure , Postman , Docker , Jenkins , Ansible , Jira , Linux

**Databases:** NoSQL (MongoDB, DynamoDB, Cloud Firestore) , SQL (MySQL, PostgreSQL)

**Skills:** Full-Stack , Unit Testing , CI/CD , DevOps , Agile , Scrum , SDLC

**Certification:** AWS Certified Cloud Practitioner

## EXPERIENCE

---

### Graduate Teaching Associate

California State University, Fullerton

Fullerton, CA

Jan 2023 - Present

- o Mentored over 50 students in Foundation of Software Engineering course on essential topics for software development.
- o Taught 3 Intro to Programming labs, C++ per sem, using Linux, GitHub for enhanced coding skills, collaborative learning.
- o Achieved an 85% A-grade rate by executing robust curriculum, practical projects, and personalized academic support.

### Data Science Intern

Kintu Designs Pvt. Ltd.

India

Dec 2021 - Apr 2022

- o Delivered AI-Driven chatbot for healthcare platform on 2 conversation flows, 30 FAQs resolving 80% queries using RASA.
- o Partnered with Sr. Data Scientists for exploratory data analysis, predictive modeling on sales data using Python's ML frameworks and libraries, achieving 10% sales accuracy boost and 15% inventory cost reduction for client.
- o Built and deployed 2 user-friendly dashboards and visualizations using Tableau to enhance data comprehension for clients.
- o Coordinated with stakeholders in an Agile setup, engaged in pair programming, daily scrum for efficient project delivery.

### Software Developer Intern

Feature IT LLC

Austin, TX

Jun 2021 - Nov 2021

- o Crafted efficient and scalable RESTful APIs for cross-platform app with startup team, leveraging power of Django, Mongoose, and Postman for API testing, achieved 30% reduction in average API response time.
- o Performed code reviews, curated documentation, and contributed to unit/integration testing using PyTest, resulting in 20% enhancement in overall application stability.
- o Supported CI/CD pipeline, incorporating pull requests and testing strategies that reduced production bugs by 40% .

### Software Developer Intern

ZipBooks Software Solutions Pvt. Ltd.

India

Apr 2020 - Jul 2020

- o Collaborated in team of 6 developers on FaceLog, a cutting-edge system for analyzing customer footfalls in retail shop.
- o Gained proficiency in OpenCV, Python, and state-of-the-art ML models to enhance existing face recognition and multi-attribute analysis model accuracy by 7% .
- o Contributed to 25% enhancement in customer analytics capabilities by developing admin portal features, utilizing Node.js, MongoDB, D3.js, HTML, and CSS.

## PROJECTS

---

### BrandGuru - AI Assistant For Marketing

Python, FastAPI, OpenAI, AWS CDK, AWS Lambda, API Gateway, Docker, TypeScript, Next.js, React, TailwindCSS, Firebase, Vercel

- o Designed and developed full-stack AI-driven marketing content generation platform with 100% cloud-native architecture and asynchronous programming.
- o Leveraged AWS Lambda for serverless backend, adopting pay-as-you-go model resulted in approximately \$120 reduction in infrastructure costs per year, and utilized Vercel for continuous integration and deployment.

### Image Processing Application

Java, JavaFX, JUnit, Command Pattern, Object Oriented Programming, Test Driven Development (TDD)

- o Developed JavaFX image processing application, integrating Java's libraries, OOP principles, implemented MVC, Command Pattern for operational efficiency, and conducted rigorous JUnit testing, achieving an impressive test coverage of 94% .

### Jenkins CI/CD Portfolio Pipeline

Github Webhooks, Jenkins, Ansible, Docker, AWS EC2, AWS Route53, HTML, CSS, Javascript

- o Automated personal portfolio website deployment, transitioning from manual deployment, reducing deployment time from 5 mins to automatic deployment in just 1 min.

## EDUCATION

---

### California State University, Fullerton

Master of Science in Computer Science , GPA: 3.73

Fullerton, CA

May 2024

### Charotar University of Science and Technology

Bachelor of Technology in Computer Science & Engineering , GPA: 3.94

India

May 2022