Dhruti Patel

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Los Angeles, CA

TECHNICAL SKILLS

Languages: Javascript , Python , Typescript , C++ , Java , HTML , CSS , JSON
Frameworks: Node.js , Express.js , React.js , Next.js , TailwindCSS , Django , SpringBoot , Firebase , PyTest , Kafka
Dev Tools: Git , GitHub , Maven , AWS (S3, EC2, Lambda) , 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

- Mentored over 50 students in Foundation of Software Engineering course on essential topics for software development.
- Taught 3 Intro to Programming labs, C++ per sem, using Linux, GitHub for enhanced coding skills, collaborative learning.
- 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

- Delivered AI-Driven chatbot for healthcare platform on 2 conversation flows, 30 FAQs resolving 80% queries using RASA.
- 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.
- Built and deployed 2 user-friendly dashboards and visualizations using Tableau to enhance data comprehension for clients.
- 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

- 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.
- Performed code reviews, curated documentation, and contributed to unit/integration testing using PyTest, resulting in 20% enhancement in overall application stability.
- 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

- Collaborated in team of 6 developers on FaceLog, cutting-edge system for analyzing customer footfalls in retail shop.
- 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% .
- 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

- Designed and developed full-stack AI-driven marketing content generation platform with 100% cloud-native architecture and asynchronous programming.
- 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.

Jenkins CI/CD Portfolio Pipeline
Github Webhooks, Jenkins, Ansible, Docker, AWS EC2, AWS Route53, HTML, CSS, Javascript

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

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

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

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