

# DHRUTI DILIPBHAI PATEL

Fullerton, CA | (559) 770-2560 | dhrutipatel0111@gmail.com | linkedin.com/in/dhrutipatel01 | github.com/iamdhrutipatel

## EDUCATION

### California State University, Fullerton

Master of Science, Computer Science

Fullerton, CA

May 2024 (Expected) | [GPA: 3.82]

Relevant Coursework: Advanced Algorithms, Advanced Database Management, Expert System Design Theory

### Charotar University of Science and Technology

Bachelor of Technology, Computer Science & Engineering

Gujarat, India

May 2022

Relevant Coursework: Object-Oriented Programming (C++, Java, Python), Data Structures & Analysis,

[GPA: 3.94]

Web Programming, Big Data, Cloud Computing, Machine Learning, Software Engineering

## SKILLS SUMMARY

**Languages:** Javascript (ES5/ES6), Python, Typescript, C++, Java, HTML, CSS, JSON

**Frameworks:** Node.js, Express.js, React.js, Next.js, Redis, TailwindCSS, Django, npm, Firebase

**Tools:** Git, Github, Postman, AWS (S3, EC2, Lambda), REST APIs, Jira, Docker, Jenkins, Vercel, Ansible, VS Code, Linux, VirtualBox

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

**Skills:** Front-end, Agile, Back-end, SDLC, Unit Testing, CI/CD, SCRUM, Kanban, DevOps

## EXPERIENCE

### Graduate Teaching Associate, California State University, Fullerton

Fullerton, CA | Jan 2023 - Present

- **Mentored 50+** students in Foundation of **Software Engineering**, teaching Agile, version control, and collaborative software practices, instructed C++ in a separate subject
- **Attained 85%** of class attaining **A** by executing robust curriculum, interactive teaching, and personalized academic support

### Data Science Intern, Kintu Designs Pvt. Ltd.

Gujarat, IN | Dec 2021 - Apr 2022

- **Orchestrated** Agile practices, incorporating **pair programming** and efficient **scrum** meeting, reducing project development time by **20%**
- **Innovated** an AI-driven **Python** healthcare chatbot utilizing RASA Framework, incorporate **Google Maps API**, and integrated with WhatsApp channel via Twilio, handling **8+** types of queries
- **Achieved** chatbot accuracy to **92%** through exhaustive **PyTest** testing, enhanced error handling, automated test cases, documented on **GitBook** with **version control** using Git

### Software Developer Intern, Feature IT LLC (Remote)

Austin, TX | Jun 2021 - Nov 2021

- **Contributed** to backend development for a cross-platform car rental app, utilizing **Django** to create a **RESTful** architecture with **25+** API calls
- **Optimized** project efficiency by **14%** through caching to reduce server load and strengthen backend validation using **Postman**, while also improving NoSQL functionalities
- **Collaborated** as a vital force in a **6-person** team, actively participating in the establishment of an end-to-end **CI/CD** pipeline, including **code reviews**, **documentation**, and **unit/integration** testing

### Software Developer Intern, ZipBooks Software Solutions Pvt. Ltd.

Gujarat, IN | Apr 2020 - Jul 2020

- **Led** a 5-member team to develop "**FaceLog**", improving retail analytics with **86%** accuracy in age, gender, and sentiment prediction using a robust **Face Recognition** module with **OpenCV** and **Python**
- **Engineered** the web app's backend with Node.js and SQLite3, enabling seamless customer retrieval and enhancing admin website insights, leading to a **40%** increase in retail shop engagement

## PROJECTS

### BrandGuru – An AI Assistant for Marketing (Python Fast API, OpenAI, AWS, Typescript, Next.js/React, TailwindCSS, Vercel)

- Spearheaded, an end-to-end AI-driven marketing content generation platform with streamlined web interface, optimizing performance through Vercel hosting for efficient brand-specific snippet, name, and keyword creation

### Image Processing Application (Java, JavaFX, OOP, JUnit, MVC, Design Patterns)

- Developed JavaFX image processing application with user-centric features, like selection, filtering, and resizing, seamlessly integrating Java's libraries and OOP principles
- Implemented MVC design pattern, integrated Command pattern for operational efficiency, and conducted rigorous JUnit testing, ensuring a robust and engaging user experience

### Jenkins CI/CD Pipeline for Portfolio (Github Webhooks, Jenkins, Ansible, Docker, AWS)

- Revolutionizing my portfolio website with cutting-edge CI/CD pipeline using Jenkins, Ansible, Docker, and GitHub Webhooks, seamless integration and deployment on AWS for optimal performance and scalability

## LEADERSHIP EXPERIENCE

### Google Developers Group – Fullerton, Organiser

Mar 2023 - Present

- Supported Google's initiative, led 3+ events to foster collaboration among developers, cultivating a thriving community