

DISHA PATEL

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EDUCATION

California State University, Fullerton | Fullerton, CA
Master of Science – Computer Science

Aug 2022 – May 2024
GPA – 3.67/4.00

Navrachana University | Gujarat, India
Bachelor of Technology – Information Technology

Aug 2018 – May 2022
GPA – 3.90/4.00

TECHNICAL SKILLS

- **Programming Languages/ Scripting:** Java, Python, C++, JavaScript (Node.js, React.js, Express.js), HTML/CSS, Angular, Swift, R
- **Platforms:** Google Cloud Platform, AWS, Snowflake, Microsoft Azure, Databricks, Jupyter Notebook, R Studio
- **Databases:** MySQL and PostgreSQL, NoSQL databases (MongoDB and Redis), IBM (DB2)
- **Development Tools & Technologies:** Git (Version Control), CI/CD Tools, Visual Studio, Jira, Postman, Docker, UX Design

WORK EXPERIENCE

California State University, Fullerton | Fullerton, CA

Graduate Teaching Associate (Mobile App Development)

Aug 2023 – Present

- Conducted hands-on Swift programming labs and lectures for a 40+ students, resulting in an 80% increase in programming skill.
- Orchestrated Swift UI design, app testing, and ensured code integrity through version control, improved projects integrity by 75%.
- Personalized tutoring sessions improved mobile app development expertise through multiple project execution and development.

Research Assistant

May 2023 – Aug 2023

- Developed custom NLP architecture with preprocessing tasks, resulted in 30% increase in processing speed and data accuracy.
- Contributed to ethical considerations in research, leading to 25% enhancement in compliance standards and data privacy protocols.
- Extracted valuable insights from large datasets, resulted in 40% improvement in data-driven decision-making research outcomes.

Code Dote | India

Software Engineer

Aug 2020 – Aug 2022

- Spearheaded a cross-functional team of 6 members to revamp legacy systems, integrating Java (Spring), HTML5, CSS3, and MongoDB, culminating in a notable 25% enhancement in user engagement.
- Orchestrated rigorous code evaluations and quality assurance measures, resulted in 15% decrease in post-launch issues.
- Directed the development lifecycle (SDLC) for critical project segments, orchestrated deployment of 15+ innovative functionalities.
- Implemented Agile methodologies (Scrum-Sprint Retrospectives), fostered dynamic communication with stakeholders, and facilitating a 30% surge in project velocity.

Software Engineer Intern

May 2020 – Aug 2020

- Streamlined development processes with CI/CD tools (e.g., Bitbucket), and efficient product management and code review using platforms like Jira, Azure DevOps, and Gerrit, speeding up product development by 90%.
- Acquired expertise in Java-based service development with J2EE and Spring Boot, mastering optimization of database performance.

Brainbean Technolabs PVT LTD | India

Software Engineer Intern

Nov 2019 – Jan 2020

- Accelerated RESTful API development with Python and Flask, enhancing inter-system communication, project progression by 75%.
- Optimized database performance by fine-tuning SQL queries, resulting in a 30% reduction in query execution time.
- Achieved an 85% code coverage rate by writing and executing test cases using PyTest and actively contributed to collaborative coding efforts through Git, encompassing 90% of the team's codebase via branching and merging activities.

ACADEMIC PROJECTS

Flavor Flex: A MERN Stack Powered Web Application

Jan 2024 – Present

- Developed a food delivery full-stack development app frontend with React JS, React Router, Redux Toolkit, integrated Paystack API for payments handling which amplified product value by 70%, working on Web, iOS, Android, Windows, Mac OS.
- Executed backend using Multer, Cloudinary, MongoDB with Mongoose, Express JS, Yarn, and JSON Web Token for authentication.

Multi-Tier Web Application using AWS

Aug 2022 – Dec 2022

- Developed AWS architecture (VPC, Route53, EC2, Load Balancer) for streaming web app. Reduced traffic by 20% with dual-server setup (Public-Private) while ensuring secure data transfer. Enhanced performance by 25% with auto-scaling based on usage peaks.

Loan Pro ML: Home Loan Predictor

Aug 2021 – Dec 2021

- Created Python web app with Conda, integrated advanced ML using Streamlit, Seaborn & Pandas for interactive data exploration.
- Empowered decision-making with AI-driven insights like Random Forests and Neural Networks, with intuitive navigation for user.

Google Developer Student Club: Cloud & ML ([Google Cloud](#))

Oct 2020 – Feb 2021

- Developed a robust tool to improve user experiences in Google applications (Gmail & YouTube), leveraged advanced ML algorithms & deep learning. Gained expertise in computing, app development, big data, and ML.