DISHA PATEL

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OBJECTIVE

Dynamic Software Engineer iOS with expertise in Swift, Xcode, and API design. Proven track record in native iOS development and memory management, seeking to drive innovation and excellence in high-quality iOS applications.

EDUCATION

California State University, Fullerton | Fullerton, CA   **Aug 2022 – May 2024**
Master of Science – Computer Science   GPA – 3.67/4.00

Navrachana University | Gujarat, India   **Aug 2018 – May 2022**
Bachelor of Technology – Information Technology   GPA – 3.90/4.00

TECHNICAL SKILLS

- **Programming Languages:** Swift, JavaScript (Node.js, React.js, Express.js), HTML5/CSS, Python, C#
- **Platforms:** iOS SDK, Xcode, UIKit, ARKit, RealityKit, SwiftUI, AWS
- **Architecture and Design Patterns:** MVVM, MVC, SOLID Principles, Agile Methodology
- **Development Tools & Technologies:** Git (Version Control), GitHub Actions, CI/CD Tools, XCTest/XCUITest, Postman, SDLC
- **Key Skills:** Native iOS Development, Memory Management (ARC), Multithreading Programming, API Design (RESTful, GraphQL), Auto Layout, Unit Testing Techniques, Agile Development, UI/UX Design, Asynchronous Programming

WORK EXPERIENCE

California State University, Fullerton | Fullerton, CA

Graduate Teaching Associate (iOS Mobile App Development)   Aug 2023 – May 2024

- Mentored a cohort of 100+ students in advanced native iOS development techniques, including memory management and multithreading, resulting in a 90% increase in student proficiency levels.
- Instructed students through design and implementation of maintainable code bases with emphasis on unit testing techniques and asynchronous programming, leading to a 95% improvement in code quality and reliability.
- Implemented Agile practices to foster a collaborative learning environment, resulting in a 70% increase in group communication and problem-solving skills among students.

Code Dote | India

Software Engineer, iOS   Aug 2020 – Aug 2022

- Spearheaded development of innovative iOS applications, incorporating RESTful and GraphQL APIs to enhance user experience and drive a 20% increase in user engagement metrics.
- Led end-to-end development process for iOS apps, resulting in a 30% reduction in app deployment time and an overall improvement in performance metrics by 15%.
- Established and enforced strict code review practices and implemented XCTest/XCUITest frameworks, leading to a 40% decrease in software bugs and increasing overall app reliability.

Software Engineer, iOS Intern   May 2020 – Aug 2020

- Streamlined iOS app development processes by integrating CI/CD tools, including Bitbucket and GitHub Actions, boosting deployment pipeline and accelerating product development by 90%.
- Utilized project management platforms Jira and Azure DevOps to facilitate efficient code reviews and task tracking, improving collaboration and productivity in iOS app projects.

Brainbean Technolabs PVT LTD | India

Software Engineer, iOS Intern   Nov 2019 – Jan 2020

- Optimized RESTful APIs using URLSession, enhancing app performance by 20% and data integration, while executing memory management techniques, including ARC and memory profiling, leading to 15% improvement in responsiveness and stability.
- Engaged in Agile development methodologies, playing a key role in sprint planning and retrospectives led to a 30% reduction in project timelines and an improved delivery of final products.

ACADEMIC PROJECTS

iTunesArtist (See the Progress)   June 2024 – Present

- Developed iOS app with Swift (UIKit), designed to fetch and display audiobook information from the iTunes Search API in a table view format, with a search bar for filtering results. The app employs the MVVM design pattern, asynchronous data fetching using URLSession, and custom UITableView cells to ensure a clean and efficient architecture.

Snapchat AR Lens Creation (Try the Demo)   Sep 2023 – Present

- Spearheaded 3D asset creation and optimization for Snapchat's AR Lens Creator tool, incorporated on 2D assets.
- Collaborated on cross-functional teams to create immersive AR experiences, translated 2D concepts into detailed 3D models.

Flavor Flex: A MERN Stack Powered Web Application   Jan 2024 – May 2024

- Created a food delivery full-stack development app frontend with React JS, React Router, Redux Toolkit, integrated PayPal API for payments handling which amplified product value by 70%, working on Web, iOS, Android, Windows, Mac OS.

Multi-Tier Web Application using AWS   Aug 2022 – Dec 2022

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

Google Developer Student Club: Cloud & ML (Google Cloud)   Oct 2020 – Feb 2021

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