Disha Patel

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EDUCATION

- **California State University, Fullerton**   Fullerton, CA
  Master of Science in Computer Science **(GPA: 3.67/4.00)**   Aug 2022 – May 2024
- **Navrachana University**   Gujarat, India
  Bachelor of Technology in Information Technology **(GPA: 3.90/4.00)**   Aug 2018 – May 2022

TECHNICAL SKILLS

- **Languages/ Scripting:** Java, Python (Django), C++, PHP, JavaScript (Node.js, React.js, jQuery), HTML5/CSS, Swift
- **Databases Skills:** AWS (EC2, RDS, SQS, SNS), DB2, SQL Queries (MySQL, PostgreSQL, NoSQL), Redis
- **Development Tools & Technologies:** Git (Version Control), CI/CD Tools, Visual Studio, Jira, Postman, Docker, Kafka, Sockets
- **Methodologies and Other Skills:** Software Development Life Cycle (SDLC), Agile Methodology, UML, Automated Testing (Unit, Integration, Functional Testing), Problem-Solving, Team Leadership and Management, UX Design, Cross-Functional Collaboration

EXPERIENCE

- **iOS Mobile Application Development – Graduate Teaching Associate**
  California State University, Fullerton   Aug 2023 – Present
  - Led students in CPSC 411 through iOS mobile app development, emphasizing practical coding and hands-on experience using Java. This practical approach constitutes 85% of the learning experience.
  - The remaining 15% is dedicated to theory, where I develop a balanced curriculum and collaborate with colleagues and industry professionals to enhance curriculum relevance, fostering an inclusive classroom atmosphere.

- **Software Engineer**
  Banco Products (India) Limited • Internship   Jan 2022 – May 2022
  - In the "GlobalConnect" Features team of 10 developers, I demonstrated adaptability in a fast-paced environment. My problem-solving skills played a key role in project success, with a 70% project contribution.
  - Improved efficiency by 15% in Java-based projects. I addressed project management challenges (10%) with JIRA, API issues (20%) with Postman, and implemented Automation Testing (20%). Docker (20%) streamlined deployment and ensured consistent environments.

- **Software Engineer**
  Brainbean Technolabs PVT LTD • Internship   May 2021 – Jul 2021
  - Spearheaded critical backend systems, addressing performance and reliability challenges through the implementation of Agile methodologies, contributing to a 60% enhancement in system performance and reliability.
  - Improved software quality by implementing RESTful APIs in Java, Node.js, and AWS Lambda, while streamlining code management through CI/CD tools and Bitbucket version control, effectively addressing code-related challenges and achieving a 40% boost in software quality.

- **Web Developer Intern**
  Hofy – Intelligent Living • Internship   Nov 2019 – Jan 2020
  - Formalized the web form development process, utilizing HTML/CSS and JavaScript for the front-end, PHP for server-side processing, and MySQL for data storage.
  - Deployed AWS for hosting and deploying forms, reducing referential integrity errors by over 90%. Leveraging my expertise, developed various web form applications, typically comprising 10 to 25 pages. This enabled our team to meet tight project deadlines, with Node.js and Express handling back-end development effectively.

PROJECTS

- **Multi-Tier Web Application using AWS**   Aug 2022 – Dec 2022
  - Implemented scalable architecture using AWS services (VPC, Route53, EC2, Load Balancer, Apache2 Linux) for a streaming web application. Configured a two-server setup (Public and Private) to reduce internet traffic by 20% while ensuring secure data transmission. Improved user experience by deploying auto scaling feature to dynamically adjust capacity based on peak period usage, resulting in a 25% performance enhancement.

- **Knowledge Quiz Mobile Application**   Jan 2020 – May 2020
  - Developed a Java-based mobile app with HTML5 and CSS3 for UI. Utilized Python and Django for a robust MySQL-backed backend. Enhanced performance by moving to MongoDB, achieving a 40% data access boost and 70% query time reduction. Hosted on AWS for scalability and reliability.

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- Azure Fundamentals by Microsoft | Databases for Developers: Foundation, Next Level and Performance by Oracle | Architecting with Google Cloud Engine by Google Cloud | Career Edge By TCS
- Attended 30 – Days of Google Cloud Program (completion of Both Cloud Engineering and Science & Machine Learning Tracks)