Smit Patel

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EDUCATION

University of Windsor	Windsor, ON
Master of Applied Computing	*May, 2024 – Present*
ITM SLS University	Halol, Gujarat, India
Bachelor's in Computer Science and Engineering	*June, 2019 – June, 2023*

EXPERIENCE

Full Stack Web/App Developer — May 2023 – April 2024
BarodaWeb — *Vadodara, Gujarat, India*

- Collaborated with developers to transform visual designs into functional Flutter widgets and React components, enhancing project workflows and improving user experience.
- Optimized React components for efficient rendering, significantly enhancing application performance and usability.
- Developed reusable Flutter widgets following best practices for code organization and state management, ensuring maintainability and scalability.
- Contributed to Android development, ensuring seamless integration and cross-platform functionality, enhancing overall application performance.
- Enhanced app performance and user interface through continuous testing and refinement, leading to improved user satisfaction.

Web Developer (Intern) — January 2023 – April 2023
BarodaWeb — *Vadodara, Gujarat, India*

- Implemented a comprehensive Restaurant Management System with an online ordering platform supporting both user and admin profiles, streamlining restaurant operations.
- Designed and developed a contactless ordering process utilizing QR code scanning and integrated payment functionality for enhanced customer convenience.
- Added a valet parking feature for users to invoke post-payment, improving user experience and operational efficiency.
- Functioned as admin panel developer using React and MySQL, ensuring efficient restaurant operations management.

PROJECTS

Advanced Data Structures and Algorithms Integration | *Java* — GitHub

- Developed a Java project that integrates advanced data structures and algorithms, enhancing functionality and performance.
- Key algorithms implemented include **Boyer-Moore**, **Edit Distance**, **Merge Sort**, **Quick Sort**, **Trie**, **Cuckoo Hashing**, and **AVL Tree**.
- Achievements include extracting URLs from text using a Java program with CSV files, implementing a search frequency tracker with self-balancing trees, and developing a spell checker with a Cuckoo Hash Table for fast lookups.
- Created a user input processing function with special character validation, integrated product sorting by ratings using Quick Sort, and designed a car rental price analysis feature.
- Utilized **Selenium** for web crawling, effectively handling pop-ups and browser control.

Group Chat Application | *Flutter, Firebase* — GitHub

- Implemented user authentication with email and password, enabling profile photo and username selection for new users.
- Enabled real-time group chat functionality with message reactions using emojis, focusing on creating a clean and intuitive user interface.
- Ensured data consistency and reliability through **Firebase Firestore** for real-time updates, **Firebase Storage** for media storage, and **Firebase Cloud Messaging** for efficient message delivery.
- Leveraged **Firebase Functions** for backend logic, enhancing application performance and scalability.

CryptoList | *JavaScript (ES6+), ReactJS, ChakraUI, REST API*

- Utilized React.js to build a responsive and user-friendly interface for tracking the prices and historical data of various cryptocurrencies in real-time.
- Implemented API calls to fetch and display live cryptocurrency prices, ensuring users have up-to-date information to monitor market changes.
- Applied React hooks such as **useState** and **useEffect** to manage state and side effects, enhancing the efficiency and performance of the application.
- Focused on delivering a user experience by creating a clean and intuitive design, incorporating best practices in UI/UX design.
- Provided users with the ability to view historical price trends of cryptocurrencies through dynamic charts and graphs, aiding in better market analysis.

TECHNICAL SKILLS

Programming Languages: C, Java, Python, JavaScript, Dart
Database Systems: MySQL, PostgreSQL
Markup Languages: HTML, CSS, SCSS, SASS, RESTful APIs
Frameworks: React, Flutter, Android
Cloud Computing: AWS
Tools: Microsoft Office, Visual Studio, Git, Firebase, Sublime Text, IntelliJ

EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Completed the certification course **Flutter & Dart - The Complete Guide** on *(Udemy)*.
- Achieved certification as an **AWS IT Professional** from *(Coursera)*.
- Completed **Python 101 for Data Science** from *(Cognitive Class (IBM))*.