Mihir Patel

Portfolio

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Experience (3+ years)

Marlabs, NJ   07/2023 − Present
Fullstack Developer
- Revamped website with dynamic features using Angular, driving a 35% surge in user engagement and a remarkable 60% increase in customer retention
- Employed Highcharts graphs, Gulp automation, and a modular-based structure to enhance loading times
- Worked on Test-Driven Development (TDD) methodologies, crafting thorough test cases and conducting rigorous testing with Karma-Jasmine, resulting in a notable 45% reduction in post-release software defects

Blackstone Technologies LLC, Ohio   02/2023 − 07/2023
Software Developer
- Elevated user experience by revamping the UI and optimizing form structures using Angular Reactive forms, resulting in heightened user engagement and improved data accuracy
- Implemented unit tests using Mocha and Chai to ensure the functionality and reliability of critical components
- Developed a secure storage mechanism on AWS S3 to store the documents uploaded by users and only accessible to authorized persons

Maksa Web Solutions, Gujarat   06/2019 − 08/2021
Software Developer
- Translated complex design requirements into interactive user experiences to promote customer engagement
- Conducted thorough code reviews and implemented best practices to maintain code quality and foster a culture of continuous improvement within the development team
- Stayed abreast of industry trends and emerging technologies, incorporating innovative solutions into project development to drive competitive advantage

Projects

SplitIt   09/2023 - Present
Technologies Used: Angular, Express.js, Node.js, MongoDB, JWT
- Developed an expense-splitting application for financial management among multiple users within a group setting
- Implemented balance settlement, transaction recording, JWT Authentication, Route guards, and diverse expense splitting methods like equal, unequal, percentages, and share splits
- Enhanced user experience by adding features like search, date filter, pagination, and streamlined invitation mechanism via mail using Send Grid resulting in 30% increase in traffic and 40% increase in new user registration

ShopMart   05/2023 - 08/2023
Technologies Used: Angular, Firebase, Material, RxJS
- Created a dynamic online shopping application, enabling seamless browsing and purchase of everyday products
- Implemented a feature-rich shopping cart, along with the Stripe payment gateway and reorder options
- Featured an intuitive admin panel, empowering admins to search, filter, add, update, or remove products along with tracking and updating inventory

Parking Space Management   01/2021 - 06/2021
Technologies Used: OpenCV, Tesseract, Python, Flask
- Spearheaded the development of a system to detect vacant parking spots by leveraging OpenCV and implemented an efficient data management strategy by utilizing MySQL to store parking space information
- Acquired license number using OCR and real-time display of empty spots on a web page using Flask framework
- Reduced overall cost by 70% by eliminating the need for built-in ANPR cameras

Technical Skills

Programming Languages and Frameworks: Python, Angular, React, JavaScript, Java, Django, Node.js, Express.js
Data Management and Cloud Services: AWS, SQL, NoSQL, Hadoop, Spark, MySQL, MongoDB, Redis
Tools: Git, Nginx, Gunicorn, Docker, Jenkins, Agile, Scrum, Jasmine, Karma, Pytest, Tailwind, NgRx
ML and Visualization: Python, Pandas, NumPy, Scikit, TensorFlow, PowerBI, GeoPandas, Folium

Education

University of California, Riverside - Masters in Computer Science   09/2021 − 12/2022
Gujarat Technological University, India - B.Tech in Computer Engineering   08/2017 − 06/2021