NIKHIL **PATIL**

patil.nikhil12@outlook.com | (424) 390-9367 | Los Angeles, CA
linkedin.com/in/nikhilpatil12 | github.com/nikhilpatil12 | nikpatil.com

Education

California State University · Master of Science in Computer Science Jan 2022 – May 2024
- **Courses:** Machine Learning, Web Engineering GPA: 3.7/4.0

University of Mumbai · Bachelor of Computer Engineering Jun 2016 – Oct 2020
- **Courses:** Data Structures, Algorithms, Data mining CGPA: 7.3/10
- Co-founded a robotics club with four teammates, spearheading the training of junior students in robotics and organizing informative seminars on robotics and programming for high school students.
- Directed teams ranging from 5 to 20 members to successfully plan and execute programming events, demonstrating leadership and organizational skills in fostering a collaborative learning environment.

Skills

Languages: Python, C#, Java, C, JavaScript, SQL, YAML

Technologies: Angular, React, MongoDB, Svelte Kit, REST APIs, Bootstrap, Amazon Web Services, Git, .NET, Docker, Android development, Raspberry Pi

Work Experience

Gadre Infotech Ratnagiri, India | Junior Developer | 02/2020 – 02/2021
- Accelerated development through agile methodologies, ensuring rapid bug fixes and seamless integration of new features within weekly release cycles.
- Proactively performed daily bug fixing, basic quality assurance, and prompt creation of patches, resulting in a 20% reduction in both tester and client-reported bugs.
- Innovatively introduced and optimized COVID-19-related functionalities in a health-focused product, contributing to a remarkable 30% increase in sales within one month.
- Revolutionized client onboarding by gathering requirements and implementing unique forms, leading to a substantial 60% increase in customer satisfaction.

Projects

WIFI vision: Using WIFI for human position estimation
- Designed and developed WiFiVision, a mobile system for human position estimation using WiFi signals, showcasing expertise in deep learning, Android APIs and ESP32.
- Implemented a robust early experimentation prototype, featuring a web app for real-time WiFi signal monitoring and seamless Firebase integration for efficient data management.
- Modified the WiFiVision Android app for the final prototype, incorporating advanced features like human pose data collection using an on-device SQLite database for enhanced efficiency and portability.

Steam Library Viewer
- Architected an Express API backend to securely fetch and handle Steam API data, incorporating custom environment configuration for key management and endpoint security.
- Developed a SvelteKit frontend to dynamically render Steam library data with optimized state management and seamless API integration, ensuring efficient real-time updates.

Wiki Chatbot
- Developed a conversational chatbot using Flask and Wikipedia API to fetch and process real-time data, with Python for natural language processing and data manipulation.
- Built a responsive frontend with Angular and integrated MongoDB to store chat histories and manage user data efficiently.

Credit card acceptance prediction
- Developed an intricate XGBoost machine learning model attaining a remarkable 87% accuracy in the critical task of predicting credit card acceptance rates.
- Leveraged cutting-edge feature engineering methodologies to expertly extract and analyze invaluable insights from multifaceted transactional datasets, thus enhancing the predictive power and robustness of the model.

Interests

Video games · Artificial Intelligence · Hiking · User Interfaces · Learning · Motorcycles · Music