

Raj Vora

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EDUCATION:

University of Florida , FL, USA	Aug 2022 – May 2024
Master of Science in Computer Science	
Mumbai University , Mumbai, India	Aug 2016 – Oct 2020
Bachelor of Technology in Computer Engineering	

PROFESSIONAL EXPERIENCE:

Software Engineer , University of Florida (Neuromuscular Physiology Lab), Gainesville, FL	Feb 2024 – Present
<ul style="list-style-type: none">• Created a Flutter app for recording and analysing patient audio files, ensuring accurate data processing.• Made a Flutter app that sends daily notifications to 100+ patients at a fix time, requesting wellbeing updates.• Designed a responsive mobile UI in Figma with 15+ screens, prioritizing user experience and patient navigation.• Integrated 10+ APIs employing a Vanilla PHP backend, ensuring reliable input collection and consistency.• Architected a React-based dashboard for patient onboarding, streamlining record management and workflow.• Led user testing with healthcare professionals to refine features and enhance app usability and effectiveness.	
Web Application Developer , Media.net, Mumbai, India	Jan 2022 – Jul 2022
<ul style="list-style-type: none">• Spearheaded and managed API proxy service to manage access and reduce page load time by 50%.• Implemented 7 data pipelines using Spring framework, improving data processing stream efficiency by 20%.• Devised 3 logging infrastructures visualized using Apache Kafka to increase logs availability and integrity by 25%.• Refined the ad pixel tracking workflow using Logstash, leading to a 20% increase in revenue.• Designed interactive dashboards in Kibana to visualize parameters and generate insights for decision-making.• Configured and updated 4 Kubernetes clusters for APIs and backend servers, enhancing load balancing.	
Associate Web Developer , Media.net, Mumbai, India	Jan 2021 – Dec 2021
<ul style="list-style-type: none">• Migrated CakePHP from singleton to factory pattern, cutting load time by 500ms and boosting revenue by 10%.• Administered PHP server architecture for 700+ websites, ensuring updates and smooth operation.• Enhanced internal dashboard built in React.js by creating 5 streamlined workflows to improve operational efficiency.• Coordinated system architecture development to serve WordPress and CakePHP websites from the same backend.• Optimized page load times by 500ms through implementation of Redis caching, resulting in improved performance.	
Full Stack Development Intern , Halara Labs Pvt Ltd, Mumbai, India	Jun 2020 – Jul 2020
<ul style="list-style-type: none">• Conducted mobile application development in Flutter for online games application Play Hatke.• Developed 3 functional pages for player ranking, user profile and in-app wallet and incorporated 2 mini-games.• Engineered 15 server-side APIs in Node.js to efficiently handle data processing for corresponding mini-games.	
Android Development Intern , K J Somaiya College of Engineering, Mumbai, India	Mar 2019 – Jul 2019
<ul style="list-style-type: none">• Led a team of 3 to develop an application that benefits 15% of the differently abled population.• Created Android Application for color-blind people to assist in selecting their daily outfits.• Deployed a Python API to analyse camera images and identify the predominant color from a dataset of 150 colors and presented this work at the National Conference on Disability, Accessibility, Inclusion, and Well-being 2019.	

SKILLS:

Languages & Frameworks: PHP, Java, TypeScript, CSS, Java, Laravel, CakePHP, Flask, Django, Spring, WordPress
Cloud & DevOps: AWS, GCP, Kubernetes, Docker, ArgoCD, Jenkins, GitHub Actions, CI/CD, Containers
Frontend & Web Development: React Native, Redux, Webpack, GraphQL, ReactJS, Flutter, Figma
Data & Streaming: Apache Kafka, Elasticsearch, Logstash, Kibana, Sentry, Grafana, MySQL, PostgreSQL, Prometheus
Certifications: JavaScript Essentials, Full Stack Development

PROJECTS:

GatorTaxi (Python, MySQL)
<ul style="list-style-type: none">• Coded a ride-sharing software handling up to 2000 ride requests, implementing min-heap and Red-Black Tree.
Beam (NodeJS, Express, MongoDB, EJS, jQuery, Chrome Developer Tools)
<ul style="list-style-type: none">• Engineered a Chrome extension to share streaming accounts without revealing passwords, ensuring data privacy.
Smart Lock (Dart, Flutter, Firebase, Firestore, IoT, Python)
<ul style="list-style-type: none">• Projected a smart lock system using Near Sound Data Transfer for secure home access, highlighting IoT innovation.
Travnal (JavaScript, EJS, ReactJS, NodeJS, ExpressJS, MongoDB)
<ul style="list-style-type: none">• Built a social media platform tailored for travellers, focusing on an intuitive user interface and scalable architecture.