Raj Vora

rajvora1998@gmail.com | +1(352)-888-2527 | LinkedIn | GitHub | Portfolio

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, Neuromuscular Physiology Lab, Gainesville, FL   **Feb 2024 – Present**
- Created 2 Flutter apps to record and analyse patient audio files as well as to request wellbeing updates.
- One of the apps 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**
- 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%.
- Modified ad pixel tracking workflow using Logstash, resulting in a 20% increase in revenue.
- Designed 5 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**
- 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.
- Added new functionalities to internal ad dashboard made in React.JS, creating 5 new workflows.
- Coordinated system architecture development to serve WordPress and CakePHP websites from the same backend.

Full Stack Development Intern, Halara Labs Pvt Ltd, Mumbai, India   **Jun 2020 – Jul 2020**
- 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 NodeJS for the corresponding pages and mini-games.

Android Development Intern, K J Somaiya College of Engineering, Mumbai, India   **Mar 2019 – Jul 2019**
- 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 and Frameworks: Python, JavaScript, SQL, PHP, Dart, Java, React, NodeJS, Spring Boot, Laravel, Flutter
Databases: Express.js, MySQL, MongoDB, Firebase, Postgres, Redis
Tools & Frameworks: AWS, Kubernetes, Docker, Apache Kafka, Elasticsearch, Flask, Logstash, Kibana, ArgoCD
Certifications: JavaScript Essentials, Full Stack Development

PROJECTS:

GatorTaxi (Python)
- Coded a ride-sharing software with scalable backend systems to support handling up to 2000 ride requests efficiently.
- Implemented min-heap and Red-Black Tree structures to achieve rapid ride selection, optimizing system efficiency.

Beam (NodeJS, Express, Firestore, EJS, jQuery)
- Engineered a Chrome extension to share streaming accounts without revealing passwords, ensuring data privacy.

Smart Lock (EJS, ReactJS, NodeJS, MongoDB, CSS, JavaScript)
- Projected a smart lock system using Near Sound Data Transfer for secure home access, highlighting IoT innovation.
- Presented a Technical Paper at the Technical Advancements for Social Upliftment National Conference 2020.

Travnal (EJS, ReactJS, NodeJS, MongoDB, CSS, JavaScript)
- Built a social media platform tailored for travelers, focusing on an intuitive user interface and scalable architecture.