

# Raj Vora

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## EDUCATION:

<b>University of Florida</b> , FL, USA	<b>Aug 2022 – May 2024</b>
Master of Science in Computer Science	<b>GPA: 3.83</b>
<b>Mumbai University</b> , Mumbai, India	<b>Aug 2016 – Oct 2020</b>
Bachelor of Technology in Computer Engineering	<b>GPA: 3.33</b>

## PROFESSIONAL EXPERIENCE:

<b>Software Engineer</b> , Neuromuscular Physiology Lab, Gainesville, FL	<b>Feb 2024 – Present</b>
<ul style="list-style-type: none"><li>• Created a Flutter app for recording and analysing patient audio files, ensuring accurate data processing.</li><li>• Made a Flutter app that sends daily notifications to 100+ patients at a fix time, requesting wellbeing updates.</li><li>• Designed a responsive mobile UI in Figma with 15+ screens, prioritizing user experience and patient navigation.</li><li>• Integrated 10+ APIs employing a Vanilla PHP backend, ensuring reliable input collection and consistency.</li><li>• Architected a React-based dashboard for patient onboarding, streamlining record management and workflow.</li><li>• Led user testing with healthcare professionals to refine features and enhance app usability and effectiveness.</li></ul>	
<b>Web Application Developer</b> , Media.net, Mumbai, India	<b>Jan 2022 – Jul 2022</b>
<ul style="list-style-type: none"><li>• Spearheaded and managed API proxy service to manage access and reduce page load time by 50%.</li><li>• Implemented 7 data pipelines using Spring framework, improving data processing stream efficiency by 20%.</li><li>• Devised 3 logging infrastructures visualized using Apache Kafka to increase logs availability and integrity by 25%.</li><li>• Modified ad pixel tracking workflow using Logstash, resulting in a 20% increase in revenue.</li><li>• Designed interactive dashboards in Kibana to visualize parameters and generate insights for decision-making.</li><li>• Configured and updated 4 Kubernetes clusters for APIs and backend servers, enhancing load balancing.</li></ul>	
<b>Associate Web Developer</b> , Media.net, Mumbai, India	<b>Jan 2021 – Dec 2021</b>
<ul style="list-style-type: none"><li>• Migrated CakePHP from singleton to factory pattern, cutting load time by 500ms and boosting revenue by 10%.</li><li>• Administered PHP server architecture for 700+ websites, ensuring updates and smooth operation.</li><li>• Added new functionalities to internal ad dashboard made in React.JS, creating 5 new workflows.</li><li>• Coordinated system architecture development to serve WordPress and CakePHP websites from the same backend.</li><li>• Led cross-functional projects, coordinating with product and design teams to deliver robust solutions.</li></ul>	
<b>Full Stack Development Intern</b> , Halara Labs Pvt Ltd, Mumbai, India	<b>Jun 2020 – Jul 2020</b>
<ul style="list-style-type: none"><li>• Conducted mobile application development in Flutter for online games application Play Hatke.</li><li>• Developed 3 functional pages for player ranking, user profile and in-app wallet and incorporated 2 mini-games.</li><li>• Engineered 15 server-side APIs in NodeJS for the corresponding pages and mini-games.</li></ul>	
<b>Android Development Intern</b> , K J Somaiya College of Engineering, Mumbai, India	<b>Mar 2019 – Jul 2019</b>
<ul style="list-style-type: none"><li>• Led a team of 3 to develop an application that benefits 15% of the differently abled population.</li><li>• Created Android Application for color-blind people to assist in selecting their daily outfits.</li><li>• 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.</li></ul>	

## 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, CI/CD, Apache Kafka, Elasticsearch, Flask, Logstash, Kibana,  
**Certifications:** JavaScript Essentials, Full Stack Development

## PROJECTS:

<b>GatorTaxi</b> (Python)
<ul style="list-style-type: none"><li>• Coded a ride-sharing software handling up to 2000 ride requests, implementing min-heap and Red-Black Tree.</li></ul>
<b>Beam</b> (NodeJS, Express, Firestore, EJS, jQuery)
<ul style="list-style-type: none"><li>• Engineered a Chrome extension to share streaming accounts without revealing passwords, ensuring data privacy.</li></ul>
<b>Smart Lock</b> (EJS, ReactJS, NodeJS, MongoDB, CSS, JavaScript)
<ul style="list-style-type: none"><li>• Projected a smart lock system using Near Sound Data Transfer for secure home access, highlighting IoT innovation.</li><li>• Presented a Technical Paper at the Technical Advancements for Social Upliftment National Conference 2020.</li></ul>
<b>Travnal</b> (EJS, ReactJS, NodeJS, MongoDB, CSS, JavaScript)
<ul style="list-style-type: none"><li>• Built a social media platform tailored for travelers, focusing on an intuitive user interface and scalable architecture.</li></ul>