

# Raj Vora

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## Education

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### University of Florida

August 2020 – May 2024

Master of Science in Computer Science (GPA: 3.83 / 4.00)

Gainesville, FL

- **Relevant Coursework:** Advanced Data Structures, Analysis of Algorithms, UX Design, Ethical Hacking - Penetration Testing, Distributed Operating System Principles, Internet Data Streaming

## Experience

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### Media.net

Jan 2021 – July 2022

Web Application Developer

Mumbai, India

- Spearheaded and managed API proxy service to manage access and reduce load time by 50%.
- Implemented 7 data pipelines, improving workflow efficiency by 20%.
- Devised 3 logging infrastructures to increase data availability and reliability by 25%.

### Somaiya PWD Center

May 2019 – July 2019

Android Developer Intern

Mumbai, India

- Proposed an Android application to assist color-blind people in selecting their daily outfits.
- Led a team of 3 to develop an application that benefits 15% of the differently abled population.

## Projects

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### Gator Taxi | Python

- Designed and implemented ride-sharing software for GatorTaxi, handling up to 2000 ride requests.
- Implemented min-heap and Red-Black Tree structures to achieve rapid ride selection, optimizing system efficiency.

### Twitter Clone | Erlang

- Developed Twitter-like engine with hashtag/mention support, subscriptions, and real-time tweet delivery.
- Conducted simulations with 2000 simultaneous users, applying Zipf distribution to subscribers, resulting in scalable systems capable of handling substantial tweet volumes.

### Beam | NodeJS, Firestore, Express, EJS, jQuery

- Created a Chrome extension to share video streaming accounts without giving out the passwords.
- Successfully launched across three major OTT platforms: Amazon Prime Video, Netflix, and Voot.

### Smart Locking System | Flutter, Python, Chirp, Firebase

- Integrated Near Sound Data Transfer to create a Smart Lock utilizing the Internet of Things.
- Presented a Technical Paper at the Technical Advancements for Social Upliftment National Conference 2020.

### Travnal | NodeJS, EJS, MongoDB, CSS, JavaScript

- Incorporated a social media website tailor-made for travelers with an intuitive user flow.
- Collaborated effectively despite no prior experience with node.js, demonstrating adaptability and rapid skill acquisition.

## Technical Skills

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**Languages:** JavaScript, PHP, Dart, Python, Java, Erlang, MySQL

**Technologies:** Git, Jenkins, GitLab, AWS, GCP, Docker, MongoDB, Android Studio, Firebase, Kafka, ELK stack, React.js, Angular, Django, Spring Boot, Express.js, Node.js

**Concepts:** Operating System, API, Database Normalization, Agile Methodology, Cloud Computing