

# VYSHNAVI KARUMURU

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## EDUCATION

**Florida International University, Miami, United States**

**Aug 2022 – Dec 2023**

MS in Computer Science

(CGPA – 3.63)

**MLR Institute of Technology, Hyderabad, India**

**July 2017 – June 2021**

BTECH in Information Technology

(CGPA – 3.30)

## KEY SKILLS

**Languages:** Java, C#, Python, HTML5, CSS3, JavaScript, TypeScript

**Frameworks/APIs:** ReactJS, NextJS, NodeJS, jQuery REST API, GraphQL, OpenAI API

**Databases/Cloud:** MySQL, PostgreSQL, MongoDB, Azure, AWS, Linux, Docker

**Tools & Version Control:** GitHub, Visual Studio, Jest, Jira, PowerBI, QlikSense, pgAdmin, Webflow, AEM, Jenkins

**Machine Learning Techniques:** Linear Discriminant Analysis, Random Forest, Logistic Regression, Scikit, Seaborn, Tesseract, Pandas

## WORK EXPERIENCE

**Suvarna TechnoSoft, Front-end Developer, Full Time**

**Jan 2020 – July**

**2022**

- Developed internal portals for Hospital's "HIMS" and "LIS" websites' UI with ReactJS, JavaScript and Python, and leveraged AWS services (EC2, S3, RDS) for hosting and managing web applications, ensuring scalability and reliability.
- Implemented **OAuth 2.0 authentication** flow using **AWS Cognito** User Pools, enabling secure user login and access to third-party APIs.
- Monitored performance of the **REST API**, optimized it as required, led to 20% improvement in API speed and 30% decrease in API calls using **Redis cache** and managed databases using **MongoDB**.
- Achieved a 30% reduction in website load times through **performance optimization** techniques.
- Assisted in creating multiple dynamic widgets using **Webflow** to improve the capture and display of doctor availability, reducing appointment booking approval time for customers by 40%.
- Active code reviewer and managed many **JIRA issues**, reviewing the most changes on the team Quarter Over Quarter (QoQ) and focused on performance, cross-platform browser, UAT testing and level-2 application support.

**Suvarna TechnoSoft, Web Developer, Intern**

**July 2019 – Dec 2019**

- Developed multiple proof-of-concepts (POCs) by building various login portals and Product UI builder screens for “HIMS” web applications using **HTML, CSS3, JavaScript, and React**.
- Implemented new UI features and components while resolving existing UI bugs before stage release.
- Initiated CI/CD pipelines using **Jenkins** and **Github Actions** to ensure efficient software deployment.

## PERSONAL PROJECTS

### Portfolio

- Built a **Portfolio** from scratch, which showcases my professional achievements, projects, skills, and certifications in visually appealing website using **NextJS** for server-side rendering and **Tailwind CSS** for UI Development.
- Implemented several features like achievement section, about section and experience section with tabs, and projects and certifications section with filtering capabilities and hosted by Vercel App.

### Confusion Restaurant Stimulation

- Developed a desktop application for restaurant website stimulation using **ReactJS and JavaScript** features a single page application (SPA) with responsive design and created some necessary reusable components.
- Leveraging Redux, controlled forms, and Fetch for client-server communication using **REST API**, integrating elements of the Flux architecture.

### Codex

- Built a JavaScript AI chat application using OpenAI machine learning model and integrated Advanced **GPT-3 model API** for communication with the AI.
- Implemented the ability to ask the AI for help with programming languages and code translation with the technologies such as HTML, CSS, JavaScript, Node.js, and OpenAI APIs.

### License Plate Recognition

- Developed a machine learning model using Python and Image Processing Technology (like, Tensor Flow, Keras, Tesseract) to retrieve the license number from the license plate.

## CERTIFICATIONS

- Coursera:** Front-End Web Development with React
- Microsoft Certified:** Azure Fundamentals and Data Fundamentals
- Udemy:** Python Certified