

# JYOTHI SANTOSHI KARUTURI

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## Education

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### University of Florida, Gainesville, USA

January 2023 - January 2025

*Master of Science in Computer and Information Sciences*

*Grade: 3.89*

**Coursework** - Analysis of Algorithms, Advanced Data Structures, Computer Networks

### National Institute of Technology, Durgapur, India

July 2016 - July 2020

*Bachelor of Technology in Information Technology*

*CGPA: 9.28*

**Coursework** - Data Structures and Algorithms, Operating Systems, Database Management Systems, Design and Analysis of Algorithms, Software Engineering

## Experience

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### OYO Rooms

August 2020 - December 2022

*Software Development Engineer - 1*

*Hyderabad, Telangana*

- Contributed to a number of modules and enhanced the functionality of the existing features on a website and a mobile application used by OYO hotel owners.
- Enhanced the mobile application's startup time by 52%, leading to a significant impact on user adoption and engagement.
- With Story Book, created a number of common components with test coverage of at least 80%. Both the website and the mobile application can use these components. As a result, 60% less code was duplicated.
- Developed a generic architecture for launching programs that the hotel owners can subscribe to. This involves launching any subscription program, displaying the impact of the program, allowing the patrons to opt-in and opt-out of the program. Multiple such programs can be launched without any code changes required from frontend. This reduced the launch time of any program to 70%.
- Handled Android and IOS deployments of the mobile application on to play-store and app-store.
- worked on multiple application crashes by leveraging Firebase analytics, enhancing the stability and performance of the application.

**Technologies Used:** React Native, React, React Native for Web, Redux, Jest, Enzyme, Story Book, Firebase

### International Institute of Information Technology, Hyderabad

April 2019 - May 2019

*Hyderabad, Telangana*

- Containerized a web application namely Student Information Portal using Docker, optimizing deployment and resource utilization.
- Configured Kubernetes for container orchestration, improving scalability and reliability of the application.
- Utilized Docker Compose for local development and testing, streamlining the development workflow.

## Projects

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### Expense Manager Application | Java, Spring Boot, MySQL

June 2023

- Developed a comprehensive Spring Boot application for expense management, allowing users to seamlessly add, delete, update, and view expenses.
- Implemented robust RESTful APIs designed to manage a range of expense operations, ensuring streamlined interaction between the application's backend components.
- Incorporated pagination support into key APIs, optimizing performance and enhancing the user experience for larger datasets.
- Utilized Spring Data JPA to interact with the database, enabling seamless data retrieval and manipulation.

### Efficient seat reassignment in school choice market | Python, numpy

February 2020

- In this project, a pre-existing algorithm is enhanced to assign students to public schools after some of them cancel their known current allotments following the start of classes.

### Student Information Portal | HTML, CSS, Javascript, PHP

March 2018

- Designed and created an engaging university website featuring distinct roles for administrators and students.
- Developed a seamless registration process, allowing students to sign up and await administrative approval before accessing their dedicated profiles.
- Implemented an intuitive interface empowering students to both view and revise their personal information, encompassing profile updates and access to downloadable grade sheets.

## Technical Skills

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**Languages:** Java, C, Python, C++

**Web Technologies:** HTML, CSS, JavaScript, Bootstrap

**Technologies/Frameworks:** React Native, React, Spring Boot, Node.js

**Developer Tools:** VS Code, Xcode, Android Studio, IntelliJ

**Others:** GIT, Github, MongoDB, Redux, Jest, Enzyme, Story Book, MySQL, Firebase

## Achievements

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- Qualifier of the Global Programming Competition, SnackDown 2019.
- Top 1% in Board of Intermediate Education, Andhra Pradesh.