

Pranith Reddy Sankepally

562-837-6849 | pranithreddy.sankepally01@student.csulb.edu | [linkedin.com/in/pranithreddysankepally/](https://www.linkedin.com/in/pranithreddysankepally/)

Education

California State University, Long Beach

Master in Computer Science
Graduate Assistant - Database Management System, 100+ Students

Long Beach, CA

Aug. 2022 – August 2024

Jawaharlal Nehru Technological University

Bachelor of Technology in Computer Science

Telangana, India

Aug. 2017 – August 2021

Experience

Software Developer

July 2021 – August 2022

Development Bank of Singapore

Hyderabad, India

- Utilized object-relational mapping with **Spring JPA**, **Hibernate** enhancing database manipulation and retrieval operations
- Integrated 20+ **REST APIs** with **Spring Boot** for workflow management, enabling creation, update, and deletion operations to populate the responses onto the interface, configured **MongoDB** integration to present the audit reports
- Integrated Jenkins for **CI/CD**, **Docker** for containerization, automating deployment tasks for over 20 application modules and enhancing security protocols with SSL encryption, **OAuth2**
- Configured **YAML** scripts to monitor database status, enabling quick troubleshooting and ensuring a 99.9 percent uptime
- Integrated **Apache Kafka** to facilitate message passing between modules and **microservices**, by developing robust producers and consumers to ensure data processing across the architecture

Development Intern

August 2020 – June 2021

Zemoso Technologies

Hyderabad, India

- Built components of the GreenCommute application with **React**, including navigation, routes, used **hooks** for state management, and **Context** to share data across the components, achieved 30 percent reduction in component re-rendering
- Designed and modeled a project database with advanced **indexing** and optimized **stored procedures**, resulting in a 50 percent increase in search performance and a 25 percent reduction in report generation time
- Created Redux reducers and actions, improving data handling efficiency by 40 percent and reducing API response time by 30 percent, enabling between components and external APIs.
- Performed extensive API testing using **postman** and tested more than 50 APIs
- Utilized **JUnit** framework for unit testing modules, writing and executing test cases to validate code functionality

Projects

EquiMatch | Java, React, PostgreSQL, Spring, Maven, HTML, CSS

- Created **React** functional components, utilizing **React Router** and **Redux** for navigation and global state management, streamlining user authentication, stock transactions, visualization and reducing the page loading time by 30 percent
- Structured **postgreSQL** database schema for EquiMatch, defining relational structures and writing **stored procedures** to automate stock transaction processes, enhancing data retrieval speed by 40 percent
- Implemented a **Spring Boot** backend for EquiMatch with over 15 **controllers** and 25 **services**, integrating a sophisticated order matching algorithm to efficiently connect buyers and sellers for stock transactions, enabled the application with **JWT**-based authentication for securely saving user information

HandToHand | Python, Django, MySQL

- Built an application using **Django** that facilitates the users to donate or request the items needed
- Created 10 **views**, **templates** for users to view and edit their profiles, list the products. Used Django's built-in user management system for Authorization and authentication
- Implemented views like adding, updating, removing the items, added filtering functionality to improve search efficiency based on category resulting in search time of 2ms, used Django's **ORM** methods to retrieve the data responses from database

T-20 Score Predictor | Python, Flask, Pandas

- Built a **Flask**-based single-page application, using a dataset from kaggle with over 200K records
- Implemented features like wickets, runs in the last 3 overs to improve prediction accuracy by 10 percent
- Trained the model using **Regression** algorithms to predict the final score based on input parameters with 92 percent accuracy

Technical Skills

Languages: Java, Python, C/C++, SQL, JavaScript, HTML5/CSS

Frameworks: React, AngularJS, Django, SpringBoot, Spring MVC

Developer Tools: Git, AWS, Postman, VS Code, Visual Studio, PyCharm, IntelliJ, JUnit

Database: MySQL, MariaDB, MongoDB

Achievements

AWS Certified Solutions Architect - Associate Level