

Sai Kiran Jella

 jsaikiran19 |  saikiranjella |  saikiranjella19@gmail.com |  saikiranjella.com |  812-369-8251

EDUCATION

Master of Science in Computer Science

Indiana University Bloomington

Bachelor of Technology in Computer Science and Engineering

Jawaharlal Nehru Technological University

SKILLS

Programming Languages: C, Java, JavaScript, Python, Typescript

Web Technologies: Angular, AngularJS, React, Redux, RxJS, Hibernate, Jasmine, Jest, Nx, Storybook

Frameworks: Spring Boot, ExpressJS, FAST API, Keras, Tensorflow.

Cloud and Tools: Jenkins, Docker, Gradle, Maven

Databases: Oracle 11g, MongoDB, MySQL, PostGreSQL

Others: Agile, Git, JIRA, Bitbucket.

WORK EXPERIENCE

Application Developer, Indiana University Bloomington

Jan 2022 - May 2023

- Designed networks to visualize diseases and biomedicines using Angular and Cytoscape library.
- Automated the deployment process using Github actions to deploy the application on Netlify under 5 minutes.
- Leveraged Ngxs to establish and manage application states, optimizing component behavior and enhancing user experience.

Full Stack Engineer, ADP

Aug 2019 - Aug 2021

- Revamped a Jenkins pipeline and utilized Docker to reduce build times by 20 minutes.
- Slashed the initial load size of the application by 80% by migrating AngularJS to Angular 8 and implementing a lazy loading approach.
- Spearheaded an initiative to establish a unified user experience across multiple applications, ensuring a seamless and intuitive interaction for users.
- Developed a rest controller using Spring for fetching insights from the Oracle database.
- Improved the performance of restful web services by implementing caching using Redis for Spring Boot.
- Implemented robust functionality for sorting, searching, and filtering of a diverse range of 500 metrics using the Angular Grid API.
- Designed interactive charts using Highcharts, to visualize metrics across 20 dimensions such as Time, Location, Job, Department, and more.

PROJECTS

Fitness Dial

- Created a wellness application using React and ExpressJS which allows users to view content uploaded by fitness professionals.
- Built three distinct dashboards tailored for users, fitness professionals, and administrators.
- Devised a subscription-based model using Express and MongoDB, delivering personalized content to users based on their subscription preferences .

Parts of Speech Tagging using Viterbi Algorithm

- Built a Simple Hidden Markov Model in Python to classify parts of speech for words in sentences.
- Improved the accuracy of the algorithm by 10% using the Viterbi Algorithm.

File System in Xinu OS

- Developed a File System in C language for the Xinu Operating System.
- Implemented operations for creation, opening, reading, and writing of files.