

Sai Kiran Jella

 [jsaikiran19](#) |  [saikiranjella](#) |  sjella@iu.edu |  812-369-8251

EDUCATION

Master of Science in Computer Science

Indiana University Bloomington

May 2023

Bachelor of Technology in Computer Science and Engineering

Jawaharlal Nehru Technological University

May 2019

SKILLS

Programming Languages C, Java, JavaScript, Python, Typescript

Frameworks Angular, AngularJS, React, Redux, RxJS, Ngxs, Nx, Spring Boot, ExpressJS, Hibernate, Jasmine, Jest, Storybook, Jenkins, Docker, Gradle, Maven

Databases Oracle 11g, MongoDB, MySQL, PostgreSQL

Others Agile, Git, JIRA, Bitbucket.

WORK EXPERIENCE

Application Developer, Indiana University Bloomington

May 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.
- Implemented robust functionality for sorting, searching, and filtering of a diverse range of 500 metrics using the Angular Grid API.
- Developed a rest controller using Spring for fetching insights from the Oracle database.
- Designed interactive charts using Highcharts, to visualize metrics across 20 dimensions such as Time, Location, Job, Department, and more.

PROJECTS

Wellness tracking application

- 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.

Faculty Information Management Application

- Created an Android application to store the details of faculty members in a college like joining date, leaving date, experience, publication works, etc.
- Employed Firebase for storing user data, authenticating users, and querying the Database.