

# Sai Deekshith Katukojwala

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## EDUCATION

### Master of Science, Software Engineering

San Jose State University, San Jose, California

Aug 2023 - May 2025

### Bachelor of Technology, Computer Science and Engineering

Indian Institute of Technology Palakkad, Kerala, India

Jul 2017 - May 2021

- Graduated with CGPA: 8.20
- Relevant course work: Deep Learning, Cyber Security, Artificial Intelligence, Data Structures and Algorithms

## SKILLS

- Languages: Java, Python, JavaScript/TypeScript, HTML/CSS, C/C++.
- Web Dev Technologies/Tools : ReactJs, AngularJs, Bootstrap, Visual Studio Code, Git, Azure Devops.
- Frameworks/Technologies : Micro-frontend, MEAN, MERN, MVC.
- Areas of Interest : Web Development, Software Development, Data Analyst, Machine Learning.

## EXPERIENCE

### Software Development Engineer, Jio Platforms Limited, Mumbai, India

Jul 2021 - Jun 2023

- Proficiently utilized frontend technologies such as AngularJS and Material UI to create interactive UI pages, accelerating data input, API integration, and data retrieval, resulting in efficient data management and presentation.
- Collaborated to project optimization by reorganizing the project structure and implementing routing for various UI pages, ensuring a streamlined and efficient development process.
- Oversaw task design and tracked progress for UI developers in Azure DevOps, effectively assigning, monitoring, and providing support for a team of six developers to optimize project workflow.
- Collaborated with 3 cross functional teams including technical writers and user interface designers on web based consumer portal; adjusted website design using HTML and CSS for critical front end development project.

### Software Development Engineer | Summer Intern, Math Works, Hyderabad, India

Jun 2020 - Jul 2020

- Conducted a comprehensive review of the existing code base, gaining familiarity with the company's software architecture and coding standards.
- Succeeded in developing a drag and drop functionality, enabling users to easily upload files from local system to the existing application.
- Actively participated in daily scrum calls, collaborating with the development team to ensure project progress and alignment with goals.

## PROJECT EXPERIENCE

### Algorithms Visualizer for Finding Spanning Trees and Paths, Indian Institute of Technology Palakkad

Jun 2020 - May 2021

- Constructed an interactive web application for visualizing spanning trees and paths using ReactJS and the D3.js library, acquiring in-depth knowledge of these technologies from scratch.
- Improved user engagement with dynamic on-screen graph rendering and live visualization of Kruskal and Prim's algorithms, fostering improved comprehension of complex graphs. Designed a versatile graph creation tool for up to 50 nodes, supporting various edge types.
- Accomplished a dynamic step-by-step algorithm execution feature, seamlessly integrating pseudo code with graph visualization. It highlighted the active algorithm step, dynamically updating edge and node colors, affording users the ability to run or navigate the algorithm execution process, greatly increasing the interactive learning experience.

### KoraKaagaz, Indian Institute of Technology Palakkad

Aug 2020 - Nov 2020

- Led the development of the User Interface for a collaborative whiteboard project, implementing real-time data display with Java to facilitate simultaneous drawing and messaging features for multiple users.
- Organized and participated in weekly leadership meetings and daily UI scrum calls to streamline communication and issue resolution with cross-functional teams, ensuring effective project management.
- Leveraged behavioral objects to advertise network data on the UI, enhancing the project's usability and providing an enriched collaborative experience for users.

## ACHIEVEMENTS

- Received Performer of the quarter award for the quarter September- December 2022 at Jio Platforms Limited.
- Best innovation award for the Hydrapulper project among 13 teams held at IIT Palakkad, 2018.