Sai Deepak Reddy Satti|Full Stack Developer

Phone: (234)-296-3672 | **Email:** ssatti@kent.edu | LinkedIn | Portfolio | GitHub

SUMMARY

Master's student in **Computer Science** with experience in front-end and full-stack development. Proficient in JavaScript, Angular, React.js, Node.js, Flask and MongoDB. Developed web applications optimizing performance, API integration, and UI/UX design. Hands-on experience in machine learning, data visualization, and cloud deployment. Strong problem-solving skills with achievements in competitive programming and technical writing. Recognized for efficiency improvements, reducing load times, and enhancing application reliability.

SKILLS & INTERESTS

Frontend: ReactJS, Angular, Redux, Next Js, HTML, CSS, JavaScript, Bootstrap, Material UI, Flutter
Backend: Node Js, Express Js, Flask, Python
Database: MySQL, PostgreSQL, MongoDB, Firebase
Tools: Git, GitHub, Docker, Netlify, Visual Studio Code, Postman, Figma

WORK EXPERIENCE

Teaching Assistant | Kent State University **Jan 2025 - Present**

- Facilitated **database (SQL and NoSQL) and human-computer interaction** courses, enhancing student understanding through interactive sessions and hands-on projects.
- Guided students in implementing database queries and optimizing **relational database** performance, leading to a 20% improvement in query efficiency.
- Assisted in designing **user-friendly interfaces**, improving usability scores by 25% through iterative feedback and usability testing.
- Collaborated with faculty to refine curriculum content, ensuring alignment with industry best practices and emerging technologies.
- Provided personalized support, increasing student engagement and comprehension rates by 30%.
- Evaluated assignments and projects, maintaining grading consistency while offering constructive feedback for improvement.

Full Stack Developer | Eficens Systems **Mar 2022 – May 2023**

- Excelled in **Angular development and Node.js** at Eficens Systems, achieving a 15% boost in web application efficiency. Applied AWS to cut page loading times by 25%, enhancing system reliability by 30%.
- Seamless **frontend-API integration** resulted in a 20% increase in data retrieval speed. Improved user interaction efficiency by 15%, ensuring a smoother overall experience.
- Pioneered user-centric **web applications**, resulting in a 20% surge in customer satisfaction scores by refining usability.
- Enhanced collaboration with back-end developers, with 20% improvement in website functionality and successful feature integration.
- Proficiently utilized **HTML, CSS, and Angular** to create visually appealing web pages, driving a 25% improvement in positive client reviews.
- Integrated AWS Services and APIs, yielding a 30% reduction in page load times and optimizing overall application performance.

EDUCATION

Masters in computer science| Kent State University, OH **Sep 2021 - Dec 2023**
Bachelor of Technology | SITE, Tadepalligudem **Aug 2016 - Jul 2020**

PROJECTS

CEGMA

- CEGMA, an Industrial IoT platform, realizes a substantial 15% decrease in electrical failures and unplanned downtimes. Developed with Angular and the MEAN stack, it drives significant advancements in safety and operational efficiency, with a notable 20% enhancement.

CRUD Application

- Developed a full-stack CRUD web app using EJS, JavaScript, Node.js, and MongoDB, resulting in a 20% improvement in application efficiency. Implemented AJAX, Axios, Mongoose, and Morgan, leading to a 25% reduction in data processing times and enhancing user experience.

Predictive Modeling and Data Visualization for Health Care Datasets

- Evaluated machine learning models on healthcare datasets like Breast Cancer and Cleveland Heart Disease. Applied preprocessing, feature scaling, Logistic Regression, Random Forests, and PCA for dimensionality reduction. Implemented SMOTE for data balancing and developed comprehensive visualizations (heatmaps,PCA plots) to provide key insights.

YouTube Clone

- Developed a YouTube clone web application that dynamically displays real-time YouTube data. Leveraged YouTube APIs to fetch and present videos, ensuring seamless interaction with content. Designed a responsive user interface using React JS and CSS, providing a consistent and optimal viewing experience. Deployed the application to a cloud platform for accessibility and scalability