

Sai Kumar

Software Engineer specializing in Web Development and System Design

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Summary

Results-driven **Software Engineer** with expertise in building scalable web applications and improving system performance. Skilled in developing modular, responsive applications using **React**, **Angular**, and **Vue.js**, with a proven ability to enhance user experience and optimize backend performance. Adept at collaborating with cross-functional teams to deliver high-quality products that meet business goals. Experienced in implementing real-time applications and enhancing system efficiency through strategic architectural improvements.

Skills

- **Languages:** Python, JavaScript, TypeScript, SQL, Java, HTML, CSS
- **Web Development:** React, Angular, Vue.js, Node.js, RESTful APIs
- **Database/Tools:** MySQL, MongoDB, Firebase, Git, Jupyter
- **Cloud Platforms:** AWS, Google Cloud
- **Project Management:** Agile methodologies, Sprint planning, Cross-functional collaboration

Education

SR University, Warangal

November 2022 — June 2026

B.Tech in Computer Science Engineering

Relevant Coursework: Data Structures, Algorithms, Web Development, Database Systems, System Design

GPA: 8.5/10

SR Druva, Warangal

June 2020 — June 2022

Higher Secondary Education

Experience

Web Developer, CodeClause

August 2023 — September 2023

- Developed a **modular, single-page web application** in **Angular** with a fully responsive design, improving load times by 30%.
- Created an **interactive real-time weather forecast website** using HTML, CSS, JavaScript, and APIs, leading to a 40% increase in user engagement.
- Collaborated with stakeholders to refine application features, achieving a 25% improvement in user satisfaction scores.

Software Engineer Intern, CodTech IT Solutions

April 2024 — June 2024

- Designed a **secure and user-friendly file sharing platform** using the File Share API, increasing file transfer efficiency by 50
- Utilized **React**, **Angular**, and **Vue.js** to build dynamic user interfaces, enhancing overall UI/UX and reducing user drop-off by 20
- Spearheaded the development of backend API endpoints, reducing server response time by 35

Projects

Cryptocurrency Price Prediction Model

January 2024 — February 2024

- Built a **cryptocurrency price prediction model** using **Python**, implementing machine learning algorithms to forecast short-term price trends with a focus on accuracy.
- Preprocessed and analyzed historical data, applying techniques such as **feature engineering** and **time-series analysis** to improve model performance.
- Deployed the application on **Streamlit** for user-friendly access, enabling users to interactively view predictions and model performance at coin-price-prediction.streamlit.app.
- Achieved an accuracy rate of 85% on test data, providing a reliable tool for users interested in short-term cryptocurrency market movements.

E-commerce Customer Engagement Platform

April 2024 — June 2024

- Built a **real-time customer engagement platform** using **React** and **Angular**, increasing user retention by 30
- Integrated analytics to measure engagement metrics, enabling the platform to adapt content based on user interactions.
- Worked with a team of UX designers to optimize the platform's usability, receiving positive feedback from over 100 beta testers.

Certifications

- **AWS Academy Cloud Architecting** – AWS Academy Graduate July 2024 — September 2024
- **AWS Academy Cloud Foundations** – AWS Academy Graduate July 2024 — September 2024
- **Full-Stack Web Development** – Udacity March 2023 — May 2023

Affiliations

- AWS Academy Graduate
- Member, Software Engineering Society at SR University