




SAI KIRAN PATRO

I am a **Software developer** with **2.7** years of experience in building high quality, running full stack, large scale, and highly available applications using **JavaScript, Node.js, React JS, Python, MongoDB**.

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Work Experience

Tata Consultancy Services, Hyderabad

June-22- current

Software Developer(Web Developer)

- **Designed** highly scalable and robust **Subscription Center** platform from scratch serving **1.8 M** active users.
 - Designed and implemented high-quality UI and **automated emails** for the campaigns.
 - **Solved** critical major bugs in the backend which improved the overall maintenance and performance by 10%.
 - **Implemented** a custom **email authentication** for user login which is used by **1+ million** users and improved the security level of the website.
 - **Improved** the App performance with **Memoization** for caching and **Lazy Loading** to improve initial load times.
 - **Developed** Custom Email Development platform leveraging Salesforce **Restful APIs** which **reduced** the development time and effort.
 - Developed a **Referral Offer Code** program from scratch, resulting in an **80% increase** in sales.
 - Implemented **encryption** standards using **Server Side JS** to protect user PII, significantly enhancing the application's security.
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Skills

Frontend Technologies - HTML, CSS, Javascript, React JS, Redux RTK, Tailwind CSS, EJS

Programming Languages - Javascript, C++, Python

Databases - MySQL, MongoDB

Tools - Git, GitHub, Salesforce Marketing Cloud

Core Subjects - Data Structure and Algorithm, DBMS

Familiar - React Native, Flask, Firebase

Certificaitons- Frontend Expert ([View](#)), Data structures Algorithms ([View](#))

Personal Projects

Netflix GPT - [Github](#) | [Visit Page](#) | [Youtube](#)

- An AI-powered entertainment application. Enhanced performance with **Memoization** for caching, **Pagination** for efficient data loading, and **Lazy Loading** to improve initial load times.
- Built with **React JS**, **Redux RTK**, **Gemini AI**, **Tailwind CSS**, and **Firestore** for scalable architecture and modern UI.

Pulse AI Music Player- [Github](#) | [Visit Page](#) | [Youtube](#)

- A **music player** with AI integration leverages **Gen AI** technology to generate text to audio waveform using an API, deep learning models.
- Built with **HTML**, **CSS**, **Javascript**, **Firebase**

Querify AI - [Github](#) | [Youtube](#)

- Querify is a **Full Stack** Social Media Application for all your queries powered by **Generative AI** features.
 - **Create**, **Post**, group all your **queries**, **leverage AI** to help and solve other queries.
 - Built using **HTML**, **CSS**, **Javascript**, **Gen AI**, **MySQL**, **Python**, **Flask**
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Achievements

- Solved **400+ Data Structures and Algorithmic Problems** on coding platforms like **CodeStudio** and **GFG**
 - **Won 1st place** at the Hardware Expo competition, outperforming 80+ projects with an innovative **Fall Detection system**.
 - **GitHub opensource** contribution - **Arctic Code** Vault Contributor
 - **Shared knowledge** on YouTube, achieving over **1 lakh+** views and building a community of **700+** subscribers.
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Education

Anil Neerukonda Institute of Technology and Sciences, Andhra Pradesh, IN

2018-2022

B.Tech - Electronics and Communication Engineering(ECE)

Cgpa - 8.6