TEJAS VINAYAKA RAO KANGOD

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EXPERIENCE

Full-Stack Developer   September 2025 – Present
USC Dornsife, Los Angeles, CA
- Led end-to-end development of the Pathways to Success web application using React, Fastify, and PostgreSQL, serving 350+ active users
- Implemented core features including user authentication, a Sanity-based CMS, and media and file storage systems, enhancing usability and the overall educational experience for users
- Managed full deployment pipelines on Google Cloud Platform and integrated Postmark to streamline and automate transactional email operations

Frontend Developer Intern   July 2024 – November 2024
Upliance.ai, Bengaluru, India
- Developed core recipe card UI for web and mobile platforms, improving recipe discovery, user interaction, and information accessibility through an intuitive design
- Optimized app performance by reducing bundle size by 48% (7.75MB to 4MB), enhancing load speed and user experience
- Engineered a user-friendly recipe rating system, driving a 35% increase in user-prepared recipes and engagement
- Redesigned client-side favorites handling by storing lightweight ID references instead of full objects in LocalStorage, facilitating scalability and maintainability

TECHNICAL SKILLS

Frontend: React, Next.js, Redux, HTML, CSS
Backend & Databases: Node.js, Express, Flask, GraphQL, Postgres, SQL, MongoDB
Languages & Tools: JavaScript, TypeScript, Python, Java, Kotlin, C++, Git, Google Cloud, Docker

PROJECTS

Musify – [Website](#) | [GitHub](#) | [Demo](#) (React, Firebase, Express, Hasura, Cloudinary)   November 2024 – July 2025
Independent
- Implemented Firebase authentication to allow users to create personalized audio libraries, access royalty-free music, and listen to, search, and favorite tracks ad-free
- Tracked user listening behavior to generate curated playlists of recent and most-played songs, delivering a personalized listening experience, boosting user engagement

Artsy World – [Website](#) | [App](#) | [GitHub](#) | [Demo](#) (React, Express, MongoDB, Kotlin)   March 2025 – May 2025
Independent
- Empowered users to discover artists worldwide, explore artwork, and browse related art by category through an interactive, search-driven interface connecting artists with audiences
- Integrated JWT-based authentication to securely validate users, enabling quick access to favorites and artist recommendations, boosting user engagement and artwork discovery

Sign Language Recognition – [GitHub](#) | [Demo](#) (Python, Flask, Frontend, ML)   October 2023 – April 2024
Team Lead
- Built a robust system featuring two models: the Xception model for translating gesture-based images into text through a user-friendly web interface, and an OpenCV model for real-time sign language recognition
- Achieved 97.5% accuracy on training dataset and 99% accuracy on testing dataset, demonstrating strong model performance and generalization

EDUCATION

University of Southern California   January 2025 – December 2026
Masters in Computer Science
- GPA: 3.65 / 4
- Coursework: Analysis of Algorithms, Web Technologies, Database Systems, Foundations of Modern Data Management and Processing

RNS Institute of Technology   December 2020 – June 2024
Bachelor of Engineering in Information Science and Engineering
- Graduated with Honors, earning a GPA of 9.06 / 10
- Coursework: Operating Systems, NoSQL Database, Computer Networks and Security, Software Engineering, Application Development using Python