TEJAS VINAYAKA RAO KANGOD

Los Angeles, CA, USA | +1 (213) 843-0105 | kangod@usc.edu | Portfolio | LinkedIn | GitHub | LeetCode | YouTube

EXPERIENCE

Software Engineer Intern *June 2026 – November 2026*

CMG Worldwide, Los Angeles, CA

- Led the development and delivery of Jarvis, an internal platform (React, Nest.js, PostgreSQL), replacing spreadsheet-based workflows and supporting ~$5M in transaction data
- Integrated Metabase on a self-hosted Google Cloud VM to deliver analytics dashboards, giving stakeholders real-time visibility through hundreds of charts and KPIs
- Automated CI/CD validation and deployments to alpha and production environments on Google Cloud Platform; streamlined data entry workflows to reduce manual input by 30%

Full-Stack Developer (Part-Time) *September 2025 – September 2026*

USC Dornsife, Los Angeles, CA

- Spearheaded development and delivery of Pathways to Success (React, Fastify, PostgreSQL), used by 400+ active users
- Delivered the Digital Pathways MVP, building a Sanity-based CMS and media and file storage to improve student usability
- Managed deployment pipelines on Google Cloud Platform and integrated Postmark to automate transactional emails for password resets and verification codes

Frontend Developer Intern *July 2024 – November 2024*

Upliance.ai, Bengaluru, India

- Developed the core recipe card UI for web and mobile platforms, improving recipe discovery, user interaction, and information accessibility
- Reduced application bundle size by 48% (7.75 MB to 4 MB), improving 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 storage to use lightweight ID references instead of full objects in LocalStorage, improving scalability and maintainability

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Kotlin

Frontend: React, Redux, HTML, CSS

Backend & Databases: Nest.js, Express.js, RESTful APIs, GraphQL, PostgreSQL, MongoDB

Cloud & DevOps: Google Cloud Platform, Docker, Git, CI/CD

PROJECTS

Musify – Website – GitHub – Demo *November 2024 – Present*

Independent — React, Express, PostgreSQL, Firebase, Cloudinary

- Built an audio player supporting personal uploads, searchable libraries, playlists, and favorites, with Firebase authentication for email verification and Google sign-in
- Personalized music discovery through listening-history-based recommendations, recently played tracks, and most-played rankings

Multimodal Video Segmentation – GitHub – Demo *January 2026 – May 2026*

Team member — Python

- Designed an end-to-end system to separate core video content from ads, intros, sponsorships, and dead air by combining audio frequency analysis, visual frame structure, motion detection, and speech transcripts
- Developed a synchronized video player with an interactive timeline, color-coded segment map, and segment-level controls to play, skip, or fast-forward through content

EDUCATION

University of Southern California — M.S. in Computer Science *January 2025 – December 2026*

- GPA: 3.68 / 4.0
- Coursework: Analysis of Algorithms, Web Technologies, Database Systems, Foundations of Modern Data Management and Processing, Multimedia System Design, Networked Systems for Cloud Computing

RNS Institute of Technology — B.E. in Information Science and Engineering *December 2020 – June 2024*

- Graduated with Honors, GPA: 9.06 / 10.0