

Kanugu Rajesh

Portfolio: <https://kanugurajesh.vercel.app/>

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EXPERIENCE

- IIT Bombay** Remote, India
Software Developer Intern *August 2023 - January 2023*
 - Full Stack Developer for Udaan, a language barrier removal tool developed in collaboration with IIT Bombay and Bank of Baroda.
 - Led backend development using Django, achieving a 60% improvement in efficiency.
 - Integrated machine learning models for real-time language translation.
 - Connected backend APIs with the frontend to ensure seamless data flow, significantly improving user experience.
 - Developed several websites and contributed to a website serving 1000+ users, enhancing accessibility and user engagement.
 - Worked with Bank of Baroda to integrate Udaan's language translation feature into their employee software.
- Via Casia Amalfi Pvt Ltd** Remote, India
Software Developer Intern *September 2023 - November 2023*
 - Designed and implemented a real-time notification system and optimized frontend and backend performance, improving user engagement by 20%, reducing loading times by 40%, and lowering bounce rates by 15%.
 - Built reusable, responsive UI components with React and TailwindCSS, reducing component redundancy by 30% and enhancing overall frontend efficiency
 - Optimized database queries and server response times, reducing latency by 25% and ensuring scalability to handle hundreds of concurrent users.

PROJECTS

- Automated Data Extraction and Invoice Management System:** Developed a **React and Express.js** application for Swipe, automating invoice data extraction and management from PDFs, images, and Excel files. Integrated **Google Gemini API** for AI-powered data processing and used **Redux** for real-time synchronization across Invoices, Products, and Customers tabs. Achieved **97% data accuracy**, processed over **10,000+ invoices**, and reduced manual processing time by **85%**. Successfully passed all test cases, ensuring scalability and robust performance. [Project Link](#)
- SoulCare:** Developed **SoulCare**, an AI-powered mental health platform leveraging **advanced NLP** and **CBT techniques** to analyze social media sentiment, track health symptoms, and provide real-time personalized support. Integrated features include **secure authentication with Clerk**, document and YouTube video querying, and gamified user engagement. Achieved over **90% accuracy in sentiment analysis**, prioritized severe cases with **98% accuracy**, and processed over **1,000+ YouTube videos** and **500+ health documents**. The platform promotes accessible healthcare while ensuring **data privacy and security**. [Project Link](#)
- LLM Chat:** Developed **LLM Chat**, a RAG-based (Retrieval-Augmented Generation) application enabling seamless interaction with documents using advanced **Cohere embeddings**. The platform ensures **full data control**, allowing users to upload, query, and manage PDF documents stored securely in **Postgres** with vector-based search. Implemented a dynamic **UI with TailwindCSS and Framer Motion**, featuring **engaging Rive animations** for enhanced user feedback. Achieved processing of over **1,000+ document queries**, ensured precise answers with **95% query accuracy**, and streamlined vector management with **100% user control** over stored data. [Project Link](#)

SKILLS

- Languages:** Typescript, Javascript, Python, Java, C
- Frameworks:** NextJs, Android, Django, ElectronJS, ReactJS, Flask, FastApi, React Native, Tailwind Css
- Tools:** Microsoft Visual Studio, VSCode
- Database:** MySQL, MongoDB, PineconeDB
- Cloud:** AWS Cloud
- DevOps:** Docker, GitHub Actions, CI/CD, Git
- Networking:** Linux Networking, Wireshark, Nmap
- Artificial Intelligence:** Pandas, Numpy, LangChain, LLM, Gemini, Vector Embeddings

EDUCATION

- MVSR Engineering College** Hyderabad, India
Bachelor of Engineering - Computer Science and Engineering; *Nov 2022 - May 2026*

ACHIEVEMENTS

- 3000+ contributions, 1200+ stars, 41 followers,** and unlocked **6 achievements** on **GitHub**
- Won 2 global, and 2 state-level hackathon,** and received **consolation** in **2 national and 1 global hackathon**
- Mentored over **100+ students** in web technologies
- Worked as a **Backend Lead** for developing **LMS** application which is used by over **1000+ students**
- Maintained over **200+ repositories (including private)** on **GitHub and GitLab** with over **3000+ commits**
- Contributed to Open source Organisations like **Oppia, Meshery, Yaarit**
- Among top **5%** of **GitHub users** and **open source contributors** in **Quine and Tublian**
- Created several **end-to-end Full Stack AI** applications.