

# Sambhavi gajula

Jersey City | 551-689-5255 | [gajulasambhavi@gmail.com](mailto:gajulasambhavi@gmail.com) | [LinkedIn](#) | [Github](#)

## SUMMARY

Front-end software engineer with experience building user-focused production-ready web applications using React, modern JavaScript, and scalable component-driven architectures.

## EDUCATION

### Long Island University

Master's degree in Computer Science

September 2023 – May 2025

GPA : 3.62

### Jawaharlal Nehru Technological University, Kakinada

Bachelor's in Electronics and communication Engineering

August 2018 – May 2022

GPA : 3.44

## EXPERIENCE

### Software Engineer

Springer capital

Aug 2025 – Present

Chicago, IL

- Delivered high-performance real-time dashboards with **sub-500ms First Contentful Paint (FCP)** by building the UI in **React** and **Next.js (App Router)**, deploying on **Vercel** with **SSR/ISR**, and serving live updates through the **Next.js Edge layer**.
- Improved dashboard rendering to sustain **60fps with 10k+ active records** by using **D3.js (Canvas)** and **TanStack Virtual**, managing real-time server state via **TanStack Query** and **SSE** to ensure sub-100ms UI updates upon **Kafka** event consumption.
- Maintaining high front-end quality by **reducing post-release defects by 25%** and achieving **95% test coverage** across new React components through a test-driven workflow using **Jest, React Testing Library (RTL)**, and **Cypress**.

### AI Interface Engineer

Nixacom

Feb. 2025 – June 2025

Charlotte, NC

- Built UI components for an **AI-driven liveness detection** and **KYC verification** flow using **React** and **TypeScript**, implementing **real-time video** and challenge-response interfaces with **WebSockets** and **Redux**, and integrating front-end modules with **Python** and **FastAPI** services backed by **OpenCV**, **MediaPipe**, and **DeepFace**, contributing to a **p95 frame-to-decision latency of 150 ms**.
- Contributed to the verification interface by integrating **CrewAI** and **Vision LLM-based results** into the UI, collaborating on **containerized deployments** via **GitHub** and **Kubernetes**, and consuming compliance and reporting services from **AWS Lambda**, **S3**, and **CloudWatch** in a production system maintaining a **99.9% API SLO**.

### Front-End Developer

Rhabdom solutions

Apr 2023 – Sep 2023

Remote, India

- Engineered and deployed 4+ client websites** using **HTML**, **CSS**, **Bootstrap**, **Vanilla JavaScript**, **jQuery**, and the **DOM API**, collaborating with cross-functional teams to ensure robust performance, responsive design, and consistent branding across platforms
- Led the UX/UI redesign of Trogis.com** and **co-developed Rhabdom.com**, improving mobile responsiveness and user navigation—resulting in a **3% increase in session duration** and **5% growth in visitor engagement**.

### Software developer

Big Leap Technologies Pvt LTD

Aug. 2021 – Mar 2023

Hyd, India

- Built modular **React** and **TypeScript** applications & reusable component libraries aligned with **Material UI**, reducing **page latency by 25%**, cutting frontend development effort by 30%, and ensuring consistent UI across six core web modules
- Integrated **GraphQL APIs** with a **Node.js** and **PostgreSQL** backend to support scalable data flows for **10,000+ concurrent users**, reduced **backend query latency by 20%**, and partnered with design and product teams to improve accessibility through **dynamic routing**, increasing **Lighthouse accessibility scores by 18%**
- Reduced **deployment time by 40%** and achieved **92% test coverage** by contributing to **CI/CD pipelines** using **GitHub Actions** and **Docker**, deploying UI builds to **AWS EC2** environments, and implementing **unit and integration tests** with **Jest** and **Cypress**.

## ACADEMIC PROJECTS

**SmartHealth** | *React.js, Next.js, Node.js, Express.js, Redux-toolkit, MySQL, AWS,*

[Github live](#)

- Built a **telemedicine app** with **patient and doctor portals**, including **appointment booking/checkout flows**, **schedules**, and **medical views**. The frontend uses **reusable components**, **Redux state**, and **guarded navigation** via **middleware / role cookies**, with **API calls routed through a proxy** when needed.
- The backend exposes **doctor, timing, and appointment endpoints** with **JWT / RBAC enforcement**. Deployed the app to **AWS Elastic Beanstalk** with the **database on RDS**.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, Python, SQL (PostgreSQL, MySQL), HTML5, CSS3/SCSS

**Front-End & styling:** React 18, Next.js (App Router/ISR), Redux Toolkit, Zustand, React Query (TanStack), Tailwind CSS, Material UI (MUI), Bootstrap, Canvas API, D3.js, Figma.

**Back-end & AI:** Node.js, Express.js, FastAPI, GraphQL, SSE, WebSockets, CrewAI

**Developer Tools and Testing :** Git, AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, GitHub Actions, Jenkins, Vercel, Webpack, Babel, RTL, Jest, Cypress, playwright, MSW, Data Structures & Algorithms, Agile methodologies, Cursor AI, n8n

## CERTIFICATIONS

JavaScript Data structures & Algorithms by Freecodecamp

Meta-professional program in Front-end development

AWS certified Developer Associate

Multi AI Agent Systems with crewAI