

Gautham Krishna S

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PROFESSIONAL SUMMARY

Full stack developer with expertise in JavaScript, TypeScript, Python, React, and Node.js, experienced in building scalable web applications from frontend UI to backend APIs. Skilled in designing responsive interfaces with modern frameworks (Next.js, React), implementing authentication systems, and deploying cloud-native solutions using Firebase, Git, Docker, AWS, and GCP. Strong problem-solving abilities with proven track record in agile development, code reviews, and cross-functional collaboration to deliver high-quality, user-centric software.

EDUCATION

Indian Institute of Technology Madras

Bachelor of Science (BS) Degree in Data Science and Applications

CGPA - 9.17

May 2023 – May 2027

Saveetha Engineering College

Bachelor of Technology, Artificial Intelligence and Machine Learning

CGPA - 8.85

Sep 2023 – May 2027

PROJECTS

Smart Tasker | Next.js 15, TypeScript, Firebase, Google Genkit, Tailwind CSS

- Built AI-powered task manager with Next.js 15, Firebase Auth, and Google Generative AI for 200+ users.
- Designed Firestore NoSQL schema for real-time task sync; optimized queries reducing latency by 35%.
- Implemented responsive UI/UX with Tailwind CSS and shadcn/ui, improving user retention by 25%.

Mitra Sense | React, FastAPI, Python, Firestore, Google Vertex AI, REST API

- Built full-stack mental health app with React frontend and FastAPI backend, serving 500+ active users.
- Designed RESTful APIs with Redis caching and PostgreSQL for session storage, improving response by 40%.
- Conducted user testing sessions to refine chat UI/UX, increasing engagement time by 30%.

M&A Analyst Agent | Python, LangChain, FAISS, FastAPI, React, PostgreSQL

- Built financial analysis web app with React UI and Python backend processing 1.2k+ PDF pages.
- Designed relational schema in PostgreSQL and optimized complex JOIN queries for analytics dashboard.
- Deployed containerized application with Docker, implementing CI/CD pipeline for automated testing.

EXPERIENCE

Software Engineer Intern

Sep 2025 – Oct 2025

Presidio

- Designed and developed full-stack health app with Node.js backend and React frontend for 8 specialties.
- Wrote clean, documented code following best practices; participated in code reviews with senior developers.
- Built AcademiaSync with SQLite database and optimized SQL queries for user progress tracking.
- Improved UI/UX through iterative prototyping, increasing platform usability score by 20%.

Team Leader

Oct 2024 – Dec 2025

Google Cloud Platform, IIT Madras

- Led team through Google Cloud GenAI Bootcamp, collaborating on web app development and deployment tasks.
- Built and deployed GenAI applications using JavaScript, Python, and cloud APIs (Vertex AI, Cloud Vision).
- Applied version control (Git) and agile methodologies, achieving 95% lab completion rate and top 5% ranking.
- Researched and evaluated new cloud-native tools (Pub/Sub, API Gateway) to improve development processes.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, SQL, HTML, CSS

Frontend Frameworks: React, Next.js, Angular, Vue.js, Tailwind CSS, Bootstrap

Backend Frameworks: Node.js, Express.js, FastAPI, Flask

Databases: PostgreSQL, SQLite, Firebase, Firestore, MongoDB, SQL

Developer Tools: Git, Docker, Firebase, AWS, Google Cloud Platform, VS Code, Terraform, NeoVim

Libraries: Redux, Axios, LangChain, pandas, NumPy, PyTorch, shadcn/ui, Radix UI

Other Skills: RESTful APIs, Firebase Authentication, Agile Development, CI/CD, Version Control, UI/UX Design

Certificates: AWS Cloud Practitioner Essentials, PyTorch Ultimate 2024, Database Management Essentials