

Gautham Krishna S

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PROFESSIONAL SUMMARY

Software engineering student with strong development fundamentals in data structures, algorithms, and object-oriented design. Proven ability to work effectively in teams with clear communication and collaboration skills. Self-motivated dual-degree candidate with extensive hands-on experience in full-stack development, system design, and cloud-native solutions. Skilled in agile SDLC, code review, version control, and implementing diagnostics, monitoring, and performance metrics.

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

AcademiaSync | Node.js, React, Docker, Terraform, GCP, AWS

- Built cloud-native learning platform using microservices architecture with 99.9% uptime and CI/CD pipelines
- Deployed scalable backend services with Docker containers across Google Cloud Run and AWS ECS platforms
- Implemented OAuth authentication, role-based dashboards with real-time analytics using React and Chart.js

Smart Tasker | Next.js 15, TypeScript, Firebase, Google APIs

- Developed intelligent task management app with AI-powered prioritization and real-time Firestore synchronization
- Integrated Google Calendar OAuth 2.0 with bidirectional sync and natural language date parsing algorithms
- Achieved 95% faster task creation with smart date detection and automated browser notification system

Data Analyst | Python, Playwright, DuckDB, , LangGraph, Multi-LLM APIs

- Architected multi-source data ingestion system with OCR and web scraping capabilities using orchestrator
- Implemented intelligent data processing with automatic relationship detection and SQL query generation
- Built error recovery mechanisms and concurrent processing achieving 80% faster analysis workflow automation

EXPERIENCE

Software Engineer Intern

Sep 2025 – Oct 2025

Presidio

- Implemented microservices using Node.js and Express with containerized deployment using Docker and Terraform
- Built responsive front-end with React, Tailwind CSS ensuring cross-device compatibility and mobile optimization
- Delivered features on schedule with diagnostics instrumentation for system observability and health tracking
- Reduced errors by 30% through unit testing and monitored using AWS CloudWatch and GCP Cloud Monitoring

Event Coordinator

Oct 2024 – Dec 2025

Google Cloud Platform, IIT Madras

- Coordinated technical bootcamp for 500+ participants earning 18 AI/ML and cloud development certifications
- Facilitated hands-on workshops building GenAI applications using Vertex AI, Gemini, and Cloud APIs
- Managed project delivery using cloud-native tools including Dataplex, Looker, and API Gateway for data analytics
- Achieved 95% completion rate and top 5% national ranking through effective project management and mentoring

TECHNICAL SKILLS

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

Frameworks: Node.js, Express, React, Next.js, Flask, FastAPI, Vue.js, Bootstrap

Databases: PostgreSQL, MongoDB, SQLite, Firebase, DuckDB

Developer Tools: Git, Github Actions, Docker, Terraform, AWS, Google Cloud Platform, VS Code, Eclipse

Libraries: pandas, NumPy, Playwright, Chart.js, Tailwind CSS, OAuth 2.0, Firestore

Other Skills: Microservices, CI/CD, System Design, REST API, Cloud Deployment, Testing, Debugging, Logging

Certificates: AWS Cloud Practitioner Essentials, Google Cloud GenAI Bootcamp, Database Management Essentials