

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 <i>Bachelor of Science (BS) Degree in Data Science and Applications</i>	CGPA - 9.17
	May 2023 – May 2027
Saveetha Engineering College <i>Bachelor of Technology, Artificial Intelligence and Machine Learning</i>	CGPA - 8.85
	Sep 2023 – May 2027

PROJECTS

AcademiaSync <i>Node.js, React, Docker, Terraform, GCP, AWS</i>	
• 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 <i>Next.js 15, TypeScript, Firebase, Google APIs</i>	
• 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 <i>Python, Playwright, DuckDB, LangGraph, Multi-LLM APIs</i>	
• 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 <i>Presidio</i>	Sep 2025 – Oct 2025
• 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 <i>Google Cloud Platform, IIT Madras</i>	Oct 2024 – Dec 2025
• 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 APIs, Cloud Deployment, Testing, Debugging, Logging
Certificates: AWS Cloud Practitioner Essentials, Google Cloud GenAI Bootcamp, Database Management Essentials