

Gautham Krishna S

📞 +91 8825885520

✉ heyitsgautham@gmail.com

LinkedIn linkedin.com/in/heyitsgautham

Github github.com/heyitsgautham

EDUCATION

Indian Institute of Technology Madras

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

CGPA - 9.1

May 2023 – May 2027

Saveetha Engineering College

Bachelor of Technology, Artificial Intelligence and Machine Learning

CGPA - 8.8

Sep 2023 – May 2027

EXPERIENCE

Software Engineer Intern

Presidio

Sep 2025 – Nov 2025

- Built 4 production-grade AI and cloud-native systems deployed on AWS ECS Fargate with Terraform IaC
- Engineered AI-powered resume screening platform with Gemini 2.5 and RAG, cutting review time by 98%
- Developed multi-domain RAG health assistant using Ollama Mistral, implementing 7 retrieval strategies
- Deployed containerized microservices on AWS ECS with GitHub Actions CI/CD and Terraform pipelines

PROJECTS

SkillSync | FastAPI, React, PostgreSQL, AWS S3, RAG, Gemini

- Built enterprise AI resume screening platform with PII redaction ensuring EEOC and GDPR compliance
- Processed 500 applicants in 90 seconds via multi-LLM RAG pipeline, achieving 98% cost reduction
- Automated email notification workflows with multi-LLM fallback, maintaining 99.9% platform uptime

AcademiaSync | Next.js, Node.js, PostgreSQL, Docker, AWS ECS Fargate, Terraform

- Developed cloud-native LMS with enrollment management and analytics using 3 microservices on AWS
- Provisioned infrastructure with Terraform IaC on AWS ECS Fargate, containerizing 3 Docker services
- Integrated Google OAuth with RBAC and automated CI/CD via GitHub Actions for zero-downtime deploys

Sticky-Net | FastAPI, React, Docker, Google Cloud Run, Gemini, Firestore

- Created AI-powered scam detection platform with 4-stage triage pipeline for intelligence extraction
- Implemented regex-first triage achieving 10ms response time with AI classifier fallback under 150ms
- Deployed on GCP Cloud Run with Firestore, detecting 50+ UPI scam patterns across 10+ threat types

Social Pulse | FastAPI, PostgreSQL, Redis, SQLAlchemy, Alembic, pytest

- Designed real-time social media analytics engine with sliding window trend detection and dual APIs
- Optimized PostgreSQL queries with recursive CTEs and strategic indexing, improving performance by 95%
- Configured Redis caching layer with sub-60ms latency and pytest suite, processing 10K+ data points

TECHNICAL SKILLS

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

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

Databases: PostgreSQL, Redis, MongoDB, SQLite, Firestore, ChromaDB

Developer Tools: Git, Docker, AWS (ECS, S3), Google Cloud Platform, Terraform, CI/CD (GitHub Actions), VS Code

Libraries: LangChain, pandas, NumPy, scikit-learn, PyTorch, SQLAlchemy, Alembic, pytest

Other Skills: Microservices, REST API Design, IaC, Observability, RAG, Generative AI, Agentic AI, HILT

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

Relevant Coursework: Software Engineering, Distributed Systems, Database Management Systems, Computer Networks, Operating Systems, Algorithms, Machine Learning

ACHIEVEMENTS

- 100% Merit Scholarship Recipient, Saveetha Engineering College (Full tuition waiver, 4 years)
- Smart India Hackathon 2025 Finalist – India's premier national innovation challenge
- Impact-Metrics Hackathon Finalist (IIT-BHU) – National-level technical competition
- 3× National Hackathon Finalist: HackIO, GenAIVersity, Hack Hustle