Arunav Gawri

Software Analyst | Backend and AI Engineering

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LinkedIn | GitHub | Portfolio

Software Analyst at Goldman Sachs with experience in enterprise database access management, backend development, and infrastructure modernization. Experienced in automating access-control workflows across DB2, Sybase, and Oracle, developing Java and Spring Boot services, and working on Kubernetes deployments and migration to AWS solutions. Building LLM applications with RAG, tool calling, and agentic workflows. Interested in backend engineering, distributed systems, and scalable application architecture.

Education

National Institute of Technology, Kurukshetra **2022– 2026**

B.Tech, Information Technology; CGPA: 8.02/10

Experience

Goldman Sachs **Jul 2026– Present**

Software Analyst *Bangalore, India*

- Automated database access-management workflows across DB2, Sybase, and Oracle, streamlining elevated-access control, entitlement management, and authorization processes.
- Worked on deploying enterprise services on Kubernetes and migrating applications to AWS solutions to support scalable, reliable, and maintainable infrastructure.
- Developed and integrated backend services using Java, Spring Boot, MongoDB, and internal APIs to manage database entitlements and authorization workflows.
- Implemented secure authorization-file generation and database connectivity procedures to support access-control operations across database systems.
- Set up Prometheus-based monitoring to provide 24x7 availability tracking for deployed services.
- Building an automated agent to handle issues before they reach frontline teams, targeting up to a 3x reduction in escalations.

Internships

Goldman Sachs **Jan 2026– May 2026**

Seasonal Software Engineering Intern *Bangalore, India*

- Migrated a legacy Perl-based database access-management service to a modern React and Java-based architecture, improving maintainability and supporting further automation.
- Integrated MongoDB and internal services to manage database entitlements and implement authorization workflows.
- Implemented database connection procedures and automated authorization-file generation for database access management.
- Used Podman and Testcontainers for containerized development and integration testing.

Goldman Sachs **May 2025– Jul 2025**

Summer Software Engineering Intern *Bangalore, India*

- Developed full-stack access-management functionality providing visibility and control over time-bound access to internal resources.
- Built React and Spring Boot components using Project Reactor and OpenAPI Generator to support access tracking and automated expiration workflows.

603 Coworking Space **Jun 2024– Jul 2024**

Frontend Developer Intern

- Built a responsive website using React, Vite, and Tailwind CSS for a workspace solutions provider serving 50+ client firms.
- Improved responsive layouts, navigation, and loading performance through mobile-first design, lazy loading, and code splitting.

Technical Skills

Languages: Java, C++, Python, JavaScript, C

Backend: Spring Boot, Node.js, Express.js, REST APIs, OpenAPI Generator

AI and GenAI: RAG, LLM tool calling, agentic workflows, LangGraph, Google ADK, ChromaDB, MCP, Groq, LiteLLM

Frontend: React.js, Next.js, Tailwind CSS

Databases: DB2, Sybase, Oracle, MongoDB, MySQL

Testing and Observability: Testcontainers, OpenTelemetry, Prometheus, integration testing

Infrastructure and Tools: Kubernetes, AWS, Podman, Docker, Git, GitHub

Core CS: Data Structures and Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Projects

Anime Watch | Next.js, Tailwind CSS, TMDB API

- Built a responsive anime discovery application using Next.js and Tailwind CSS, integrating the TMDB API to retrieve and display dynamic anime content.
- Implemented search, anime discovery, and watchlist functionality with routing and dark mode to provide a personalized browsing experience.

IPL Team Win Prediction | Python, Machine Learning, Flask

- Developed a logistic regression model to predict IPL match outcomes, achieving approximately 74% accuracy on the evaluated dataset.
- Preprocessed match features and engineered relevant prediction inputs to prepare the dataset for model training and evaluation.
- Applied Bayesian hyperparameter optimization and deployed predictions through a Flask-based interface.

WebHunt – Techspardha, NIT Kurukshetra | React, Firebase

- Developed an online treasure-hunt platform for Techspardha, the technical fest at NIT Kurukshetra, supporting more than 300 participants.
- Integrated Firebase to record participant answers, track progress, and maintain submission data, including scores and last submission times.
- Implemented automated scoring and leaderboard updates to track participant performance throughout the competition.

Achievements

- Solved 600+ problems across LeetCode, GeeksforGeeks, HackerRank, CodeChef, and Codeforces.
- Achieved Rank 68 in CodeChef Starters 127.
- Achieved a 3-star rating on CodeChef.

Leadership and Activities

- **Technobyte Society, NIT Kurukshetra:** Management Head and Technical Team Member.
- **Colors Club, NIT Kurukshetra:** Media Team Member.