Sachi Jagannath Gawai
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SUMMARY

Software Engineer with experience designing and optimizing SQL Server–driven backend systems, building ETL pipelines, and developing scalable microservices. Skilled in T-SQL, stored procedures, SSIS-style workflows, high-availability deployments, and performance tuning across large data environments. Adept at integrating cloud-native tooling (AWS, Azure), automating CI/CD pipelines, and delivering reliable systems aligned with business and operational requirements.

EDUCATION

Syracuse University, New York, United States

Master of Science in Computer and Information Sciences **2025**

- **Coursework:** Algorithms, NLP, AI, Object-Oriented Design, Mobile Programming

University of Mumbai, Mumbai, India

Bachelor of Engineering (B.E), Computer Engineering **2022**

- **Coursework**: Data Structures, Databases, Cloud Computing, Networks

TECHNICAL SKILLS

- **Databases & SQL:** SQL Server, PostgreSQL, MySQL, MongoDB, Redis, T-SQL, Stored Procedures, Functions, Triggers,
- Views, Indexing, Query Optimization, Transactions, Execution Plans
- **ETL & Pipelines:** SSIS, ETL/ELT Workflows, Azure Functions, AWS Lambda, Data Ingestion Pipelines, Data Flows, Batch Processing
- **Programming Languages:** Python, Java, JavaScript, TypeScript, C
- **Frameworks & Tools:** FastAPI, Node.js, Angular, TensorFlow, PyTorch, Hugging Face, Jenkins, GitHub Actions
- **Cloud & DevOps:** AWS ALB, EC2, Lambda, Azure Functions, Docker, Virtualization, Microservices, CI/CD, SDN/NFV concepts
- **Documentation & Collaboration:** System Design Docs, Data Flow Diagrams, API Specifications, Technical Writing

PROFESSIONAL EXPERIENCE

Software Engineer ,TipTop Technologies,Inc, **Jun 2025 – Present**

- Optimized SQL Server performance using T-SQL refactoring, indexing, and execution plan tuning, cutting query latency **45%** across **10M+ API calls/month**.
- Built ETL-style batch pipelines (Python + SQL Server) that improved data refresh and analytics throughput by **60%**.
- Automated deployments with Docker, GitHub Actions, and AWS ALB, achieving **99.9% uptime** and reducing incident triage time **40%** through monitoring scripts.

Software Developer, iConsult Collaborative, Syracuse University **Jun 2024 – Feb 2025**

- Modernized data pipelines using Azure Functions + SQL Server, increasing throughput **60%** for **2M+ record** workloads.
- Reduced redundant backend operations **80%** by rewriting services with optimized T-SQL queries and stored procedures.
- Built secure SQL-backed APIs (Node.js + SQL Server) and produced data flow documentation that improved system reliability and team onboarding.

Software Developer Trainee, Cognizant Technology Solution, Mumbai, India **Aug 2022 – May 2023**

- Improved SQL Server performance by redesigning schemas, tuning T-SQL procedures, and optimizing plans, reducing latency **40%** for **5K+ users**.
- Strengthened data integrity by implementing triggers, constraints, and normalization, lowering inconsistency issues **70%**.
- Integrated SQL testing into CI/CD (Jenkins), cutting production defects **35%** and delivering reliable reporting queries for analytics.

Full Stack Developer Intern, Curious Solutions LLP, Mumbai, India **Nov 2020 - Jul 2021**

- Delivered high-speed backend services supported by optimized SQL queries and caching, achieving sub-second response times for **8K+ active users**.
- Increased frontend and backend performance by **70%** by implementing efficient query patterns, pagination, and API refactoring.
- Automated deployments using Git + Jenkins, reducing manual effort **60%** and improving release frequency.

PROJECTS

Fake Job Posting Detection **Aug 2024 – Dec 2024**

- Integrated SQL Server into a fraud-detection pipeline analyzing **18K+ job posts**, designing optimized tables, indexes, and T-SQL procedures to improve storage and retrieval efficiency.
- Reduced end-to-end inference latency **60%** through batched SQL reads and deployed Dockerized FastAPI services with SQL Server persistence for scalable production use.

Twitter Sentiment Analysis **Jan 2024 – May 2024**

- Processed **500M+ tweets** through batch ETL pipelines, transforming and loading features into SQL Server for analytics and BI dashboards.
- Achieved **F1 = 0.93, AUC = 0.95** using LSTM and BERT models; automated reporting workflows using AWS Lambda + SQL extracts.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified DevOps Professional,2025