

Sachi Jagannath Gawai

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EDUCATION

Syracuse University, New York, USA

Master of Science in Computer and Information Science | **GPA:** 3.9

Syracuse, NY

Graduation Date: May 2025

Relevant Coursework: Data Structures & Algorithms, Mobile & Web Development, Artificial Intelligence, Data Mining

University of Mumbai, India

Bachelor of Engineering (BE) in Computer Engineering | **GPA :** 3.8

Mumbai, India

Relevant Coursework: Data Structures, Databases, Cloud Computing, Networks

Graduation Date: August 2022

WORK EXPERIENCE

TipTop Technologies, Inc., Sunnyvale, CA | Software Engineer

Jun 2025 – Present

Venture-backed B2B/B2C AI SaaS startup founded in 2008 serving enterprise clients across 10+ countries globally.

- Built FastAPI-based ingestion and analytics services to extract structured metadata and media assets by orchestrating Python pipelines that validate inputs and persist outputs to Amazon S3 enabling reliable downstream processing.
- Optimized FastAPI REST endpoints and SQL Server queries by refactoring T-SQL, adding targeted indexes, and tuning execution plans resulting in 45% lower API latency under peak traffic.
- Improved pipeline reliability by Dockerizing FastAPI services, integrating CI/CD, and adding AWS monitoring and retries around S3 interactions achieving 99.9% uptime and 60% fewer production incidents.

iConsult Collaborative, Syracuse, NY | Software Engineer

Jun 2024 – Feb 2025

University-affiliated B2C technology consulting organization founded in 2017 at Syracuse University serving 70+ government, nonprofit, and enterprise clients across the U.S.

- Developed FastAPI-based extraction services to ingest batch data and external assets by implementing Python workflows that normalize inputs and store processed outputs in Amazon S3 supporting scalable analytics pipelines.
- Increased pipeline throughput by migrating extraction jobs to Azure Functions while keeping FastAPI as the service layer driving 60% higher end-to-end processing capacity.
- Delivered production-grade RESTful APIs with FastAPI by enforcing schema validation, consistent error handling, and documented contracts improving data quality and integration reliability.

Cognizant Technology Solutions, Mumbai, India | Software Developer

Aug 2022 – May 2023

Fortune 500 B2B IT services and consulting company founded in 1994 serving 1,000+ clients across 35+ countries globally specializing in cloud, AI, and enterprise software solutions.

- Reduced database latency for 5K+ users by redesigning schemas, tuning high-traffic procedures, and optimizing execution plans achieving 40% faster query performance.
- Strengthened enterprise data integrity by implementing constraints, triggers, and normalization cutting reporting defects by 70%.
- Prevented production regressions by integrating SQL validation tests into Jenkins CI/CD reducing post-release defects by 35%.

Curious Solutions LLP, Mumbai, India | Software Engineer

Dec 2019 – Jul 2020

High-growth B2B/B2C software development company founded in 2011 delivering custom web and mobile solutions to 50+ clients across 5+ countries globally.

- Delivered sub-second backend responses for 8K+ users by optimizing MySQL/PostgreSQL queries and introducing Redis caching improving API responsiveness under peak load.
- Refactored legacy APIs and Java services by simplifying request flows and query paths driving 70% end-to-end performance gains.
- Automated deployments by standardizing Git-based workflows and Jenkins pipelines cutting manual release effort by 60%.

RELEVANT TECHNICAL PROJECTS

Patient2Go- Patient Risk Scoring Service, Reliability-First Backend API | TypeScript, Node.js, Express, Axios, REST APIs, Postman

- Built a rule-based risk scoring backend that ingests paginated vitals data and scores 1,200+ records across 25+ pages per run using blood pressure, temperature, and age thresholds.
- Increased ingestion reliability to 99% successful runs by adding pagination handling, retries, and exponential backoff for rate-limited APIs, stabilizing end-to-end execution

Scalable Job Fraud Detection Pipeline, Fraud Classification Pipeline | SQL Server, T-SQL, FastAPI, Docker

- Built a SQL Server backed analytics pipeline supporting analysis of 18K+ job posts using optimized schemas and T-SQL stored procedures.
- Deployed FastAPI services in Python with Docker, reducing end-to-end latency by 60%.

Large-Scale Twitter Sentiment Analysis Platform, Large-Scale NLP Pipeline | Python, LSTM, BERT, SQL Server, AWS Lambda

- Processed 500M+ tweets through batch ETL pipelines, transforming and loading features into SQL Server.
- Trained LSTM and BERT models achieving F1 = 0.93 and AUC = 0.95, with automated inference and reporting via AWS Lambda

TECHNICAL SKILLS & RELEVANT CERTIFICATIONS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C
- **Backend & Data:** Node.js, FastAPI, REST APIs, microservices, SQL Server, PostgreSQL, MySQL, MongoDB, Redis, T-SQL
- **Cloud & DevOps:** AWS ALB, EC2, Lambda, Azure Functions, Docker, GitHub Actions, Jenkins, Git
- **Frontend:** Angular, HTML5, CSS3, RxJS, Angular Material
- **Relevant Certifications:** Oracle Cloud Infrastructure Certified DevOps Professional, 2025