

Amit Kumar

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SKILLS

Languages: Python, JavaScript, C++, TypeScript, SQL

Frameworks & Libraries: FastAPI, Node.js, React, Django (basics), Celery, Redis

Databases: PostgreSQL, MongoDB, MySQL

EXPERIENCE

CGI

Bengaluru, India

Software Engineer

Jan 2024 – Sept 2025

- Delivered **15+ full-stack tools and automations** using Python, FastAPI, Node.js, and SQL, cutting enterprise manual effort by **60%** and accelerating business workflows.
- Built scalable **ETL pipelines** integrating Excel, SAP S/4HANA, and Azure with real-time sync, ensuring accurate financial reporting across business units.
- Engineered **REST APIs and async services** with Celery and Redis, enabling reliable, low-latency data flows across distributed microservices.
- Architected modular, **microservice-based backends** with focus on high availability, reusability, and testability; contributed to CI/CD pipelines using GitHub Actions.
- Collaborated cross-functionally in **Agile/Scrum** environments, rapidly prototyping and shipping impactful features directly aligned with business stakeholder goals.

SAP ABAP - Unicode Compliance Project

Mar 2025 – May 2025

- Refactored **500+ legacy ABAP programs** to S/4HANA best practices, significantly improving backend processing time for high-volume financial transactions.
- Performed system-level optimization and root cause analysis, eliminating performance bottlenecks across critical SAP modules.

PROJECTS

FeedbackPulse | *React, Node.js, PostgreSQL, NLP* | [Live Demo](#)

Mar 2026 – Jun 2026

- Building an end-to-end **SaaS platform** for user feedback collection, NLP-based sentiment analysis, and real-time visualization with configurable alerts and exportable reports.
- Designing a multi-tenant architecture with trend detection dashboards serving product teams with actionable, data-informed insights.

StoryWeave | *FastAPI, React, PostgreSQL, WebSockets*

Dec 2025 – Feb 2026

- Engineered a collaborative story platform with **real-time content sync**, version control, and complex branching logic using WebSockets and a custom graph-based schema.
- Optimized performance via **lazy loading, custom middleware**, and a scalable relational DB schema supporting concurrent multi-user sessions.

Invoice Management System | *FastAPI, ML, PostgreSQL*

Jan 2022 – Apr 2022

- Built an ML-based system to detect anomalies and predict invoice due dates, integrated via **FastAPI inference APIs** with MLOps pipelines for model versioning and monitoring.

EDUCATION

Kalinga Institute of Industrial Technology

Bhubaneswar, India

Bachelor of Technology, Computer Science

July 2019 – July 2023

- GPA: 8.92 / 10.0

CERTIFICATIONS & ACHIEVEMENTS

Young Achiever Star Award 2024 – CGI (top performer recognition)

AI Agents for Beginners – Simplilearn | The Complete AI Agents & Automation N8N – Udemy

Foundations: Data, Data, Everywhere – Google Data Analytics