

# Saumitra Joshi

Software Development Engineer | saumitra1joshi@gmail.com | (+91) 7042334712 | Bangalore, Karnataka

[Linkedin](#) | [Github](#) | [Portfolio](#) | [Medium](#)

## Skills

**Programming Languages:** Python, Java, JavaScript, TypeScript, C/C++, SQL, Powershell

**Technologies & Tools:** Angular, React, Spring, Node.js, Flask, Fast API, LangGraph, Langchain, OpenAI, Terraform, ARM Templates, Azure SDK, Boto3, Nebular, Grafana, PyJWT, ScikitLearn, Matplotlib, TensorFlow, Numpy, Pandas

**Cloud:** Azure, AWS, CGP

**Domains:** Full Stack Development, Cloud Engineering, Gen-AI Development

## Work Experience

**Brillio** | Software Development Engineer (CTO Department) | Bangalore

Jun 2022 - Present

- Engineered robust **FastAPI APIs** for cost and inventory management using **Azure SDK and AWS Boto3** for an in-house Cloud Finops Solution used by several Fortune 1000 clients.
- Implemented multi-threading in Azure Wastage Tracking APIs, reducing response time from 4 minutes to under 10 seconds.
- Developed time-triggered **CRON jobs** using **Azure Functions** and **Azure Virtual Machines** with automatic shutdown upon completion, reducing operational expenses by \$2000 per month.
- Developed a multi-agent Gen-AI solution using **LangGraph**, automating the end-to-end process of analytics generation, including SQL querying, data pre-processing, and visualization, thereby reducing insight generation time by 90%.
- Developed and maintained an inventory management **Angular** dashboard connected to a custom SQL database for a client.
- Designed & integrated secure authentication mechanisms, including **Google OAuth & JWT**, to safeguard user access.
- Configured CI/CD pipelines using Azure Devops for resource migration and multiple **Web Apps, Functions, Logic Apps and Virtual Machine** deployments.
- Implemented real-time text event streaming APIs in a **Flask** server increasing user retention by 40%.

**London Strategy and Consulting Group** | Data Science Intern | Remote

Oct 2020 - Feb 2021

- Engineered data preprocessing pipelines operating on 140+ GB raw nested JSON data by leveraging **AWS EMR**.
- Implemented multiple APIs with comprehensive **unit test case** coverage to compute various metrics, KPIs, and generate quarterly reports on Credit Card Application data.

## Projects

**Content Analyzer** | Full Stack, Gen AI | [\[Link\]](#)

Jul 2023 - Aug 2023

- Designed an end-to-end solution with an **Angular** chatbot and a serverless backend for optimized, scalable request handling.
- Created a processing system that cross-references YouTubers' claims with SEBI's guidelines in a **Vectorized DB and GPT**.
- Implemented audio to text transcription and claim validity scoring system using **Langchain and GPT-4**.

**Nutrify** | Full Stack | [\[Link\]](#)

Jun 2022 - Aug 2022

- Implemented a Spring backend with SSO capability and real-time consultations using **WebSockets**, hosted on **AWS EC2**.
- Configured a **MySQL** database and developed **Java Backend Servlets** to integrate with the database using **JDBC**.

## Education

• **SRM University, Chennai** | BTech | Computer Science Engineering | CGPA : 9.47/10

2018-2022

• **Amity International School, Gurgaon** | Class 12 : 93.2% | Class 10 : 10 CGPA

2016-2018

## Certifications

• Google Cloud Associate Cloud Engineer (ACE)

• Azure Fundamentals(AZ-900)

• AWS Cloud Practitioner

## Achievements

• **Employee Of the Quarter, Employee of the Month, Value Champion, Group Excellence Award** by Brillio

• **2nd Position** in Microsoft Gen AI Hackathon - 2024

• **Guest Speaker at NIT Trichy** on Azure Digital Twins and AWS IOT Twin Maker - 2023