SUJAL SETHI

(+91)8869819865
Noida
sujalsethi12344@gmail.com

Portfolio: sujalsethi.netlify.app
github.com/sujalsethi44
linkedin.com/sujalsethi44

SKILLS

Programming Languages	C++, Python, SQL
Computer Science	Data Structures and Algorithms, Object-Oriented Programming (OOP), SDLC
Database Technologies	MS SQL Server, Snowflake
Cloud and AI Services	Azure OpenAI, Azure Document Intelligence, Azure Cognitive Services
Tech Frameworks	Generative AI, Large Language Models (LLM), Agentic Framework, Retrieval-Augmented Generation (RAG), Swagger , Rest API
Soft Skills	Project Management, Analytical Skills, Teamwork, Leadership, Problem Solving
Emerging Technologies	AI-driven Solutions, Document Intelligence, Chatbot Development, RAG-based Applications

EDUCATION

Bachelor of technology in Computer science and Technology | 2020-2024, *KUK University* — 9.0 CGPA / 86%

Class XII(PCM) | 2019-20 — Scored 95% in PCM

Class X | 2017-18 — Achieved 92

PROFESSIONAL EXPERIENCE

• CGM
Gen AI Developer   *September 2024 - Present*

- Developed AI-driven healthcare solutions utilizing Large Language Models (LLMs), Azure OpenAI, Azure Document Intelligence, and Retrieval-Augmented Generation (RAG) pipelines to automate clinical document processing and data extraction workflows.
- Built secure and scalable Python-based applications delivering real-time transcription, document summarization, and structured JSON outputs tailored for healthcare use cases.
- Integrated SOAP APIs with internal apps for document processing, with monitoring, API maintenance, and PostgreSQL ORM storage.

• Lagozon technologies pvt. Ltd.
Gen AI Developer   *January 2024 - August 2024*

- Spearheaded a groundbreaking initiative at Lagozon Technologies to develop an AI assistant for Jubilant FoodWorks, leveraging Large Language Models (LLM) and Azure Open API. Enhanced the user experience through sophisticated speech recognition and prompt engineering techniques.
- Led the secure integration and management of API keys using the Lida framework, ensuring optimal data security and processing capabilities. Implemented robust data storage solutions with Snowflake and managed Stored procedure, enhancing data flow and system efficiency.

RESEARCH EXPERIENCE

• FARMICON - IIT Roorkee
Research & Machine Learning Analyst   *July 2023 - September 2023*

- Collected and analyzed government and IoT datasets for agricultural insights.
- Developed and deployed an ML model to predict crop nutrient requirements.

PUBLICATIONS

- Sethi S, Lakhina U. Intelligent Crop Selection and Soil Nutrient Management Using Machine Learning. [Click Here]

PROJECTS

MedClaim AI: Automated EOB to 835 Conversion System
- Developed an AI-powered system to automate EOB-to-ERA (835) conversion, replacing third-party tools and streamlining the medical billing process.

- Integrated Azure Document Intelligence and GPT models with a custom-trained AI rule engine, enabling accurate data extraction, validation, and 835 generation from EOB and 837 files.

- RAG-based validation using Azure Cognitive Search and Azure OpenAI Embeddings to cross-check AI-generated medical codes against internal databases, with all processed data securely stored in Azure Blob Storage.

- **Technologies Used**: LLM, Azure Document Intelligence, Azure OpenAI GPT Models, Azure Blob Storage, Azure Cognitive Search, Prompt Engineering, AI Rule-based Training System (CPT, ICD Code Mapping), Azure DevOps.

GEN AI JUBIL ASSISTANT
- Developed a web application where non-tech users can input prompts, and the GEN AI assistant generates SQL queries along with table outputs and dynamic visualizations for each unique answer.

- Utilized prompt engineering, data retrieval from Snowflake, and dynamic visualization creation using LIDA to ensure comprehensive and user-friendly data insights.

- **Technologies Used**: LLM, OpenAI API key, Snowflake for data management (including SnowSQL for views and table formation), LIDA for dynamic visualization, Azure App Services for deployment.

GEN AI DOCUMENT SEARCH
- Created a web app allowing users to upload multiple documents, including scanned ones, which the system processes to learn and respond to user prompts or questions efficiently.

- Employed advanced document processing and LLM capabilities to provide accurate and contextually relevant answers to user queries, enhancing document search functionality.

- **Technologies Used**: Python, LLM, OpenAI API key, Azure App Services for deployment.

Interact Learn / Interactive Machine Learning Dashboard
- Designed a pioneering project simplifying Machine Learning simulations and enhancing data exploration with a user-friendly interface, allowing manual feature selection, interactive visualization, and automatic identification of the best ML model with hyperparameter tuning options, all achievable in a single click.

NOTABLE ACHIEVEMENT

Finalist in ISRO Mapathon	2020	ICIIP Patents	2021
Former Student's Captain	2020-2021	Lead Igniters of D2C Club (Unstoppable)	2022-2024
Finalist in Innothon (Crop Analysis)	2021	2nd Rank in National Hackathon(IIT Roorkee)	2023
Yuva Innovator Finalist	2021	SIH 2023 finalist (Internally)	2023