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SUJAL SETHI

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Skills

Programming Languages	C++, Python, SQL
Computer Science	Data Structures and Algorithms, Object-Oriented Programming (OOP), SDLC
BI Tools	Tableau, Power BI
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 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, *Saraswati Vihar sen. sec. school* — Scored 95% in PCM
Class X | 2017-18, *Saraswati Vihar sen. sec. school* — 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.
- Designed and deployed intuitive web application for interactive user experiences; contributed to code redesign and migration from Python to ASP.NET Core as per business requirements.
- Integrated Swagger APIs and Azure services to enable seamless interaction between AI models and enterprise healthcare systems, enhancing interoperability and workflow efficiency.

• 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.
- Instrumental in designing and refining the system architecture to support effective communication with LLMs.

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.
- **Technologies Used**: LLM, Azure Document Intelligence, Azure OpenAI GPT Models, Azure Blob Storage, 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
- Former Student's Captain 2020-2021
- Finalist in Innothon (Crop Analysis) 2021
- Yuva Innovator Finalist 2021
- ICIIP Patents 2021
- Lead Igniters of D2C Club (Unstoppable) 2022-2024
- 2nd Rank in National Hackathon(IIT Roorkee) 2023
- SIH 2023 finalist (Internally) 2023