SUJAL SETHI

(+91)8869819865
Saharanpur, UP
sujalsethi12344@gmail.com

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

SKILLS

Programming Languages	C++, Python, Latex
Computer Science	Data Structures and Algorithms, Object-Oriented Programming (OOP)
BI Tools	Tableau, Power BI
Database Language	MS SQL Server/ MYSQL
Soft Skills	Project Management, Analytical Skill, Teamwork, Leadership

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

• Lagozon technologies pvt. Ltd.

Gen AI Developer   *January 2024 - Present*

- 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.

• FARMICON - IIT Roorkee

Research & Machine Learning Analyst   *July 2023 - September 2023*

- Led a research team to gather data from government-authorized datasets, and correlate it to our IoT device dataset.
- Researched and developed a cutting-edge machine learning model for predicting nutrient requirements in various crops, showcasing a high level of accuracy. Trained and deployed the model as a sophisticated prediction algorithm, contributing to advanced agricultural practices.

• CELLSTRAT

Data Science & Machine Learning Summer Analyst   *June 2022 - August 2022*

- At the AI Hub, entrusted with the exciting responsibility of crafting a module for the all-encompassing GenAI model, contributing to its holistic capabilities.

PUBLICATIONS

- Sethi S, Panwar N. Intelligent Crop Selection and Soil Nutrient Management Using Machine Learning. In processing of acceptance.

- Sethi S, Singla D, Goel M. From Rumors to Reality: Exploring Machine Learning Approaches for Fake News Detection.

PROJECTS

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.

Machine Learning/ Web Api
- • Fake News Detection • Duplicate Question Predictor • Movie Review • Car Price Prediction • Amazon Glamour Fusion Modeling
- Leveraged advanced NLP and predictive modeling techniques to meticulously analyze user feedback data, achieving a substantial boost in customer satisfaction scores.
- Modules: Handled text data, performed NLP processing techniques, used Count vectorization & TF-IDF, conducted Feature Engineering, Made predictions, fuzzy-wuzzy, and formed APIs.

Data Analyst / Sales Analysis and Booze sale analysis /Tableau, Power BI

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