SEMAL JOHARI

AI/ML ENTHUSIAST

EXPERTISE

Languages:

- Python
- SQL
- Dart
- HTML
- CSS
- C
- Java
- R

Frameworks:

- Flask
- NumPy
- Keras
- TensorFlow
- StreamLit
- Scikit-Learn
- Matplotlib
- PyTorch
- OpenCV
- SciPy
- Seaborn

Technologies:

- Machine Learning
- Data Science
- Deep Learning
- Computer Vision
- Natural Language Processing
- Web Development
- Cloud (Microsoft Azure, AWS & GCP)
- Generative AI
- Data Analysis
- Neural Networks
- Git & GitHub

ACHIEVEMENTS

- **First Position** in **Microsoft Azure Blogathon** by **ID8NXT** and **Microsoft Azure.** *Link*
- **5 Star Rating** on **HackerRank** for **Python** and **SQL**. *Link*
- **Academic achievement: 9.52 SGPA** in **5th semester**

CERTIFICATIONS

- **Career Essentials in Generative AI** by **Microsoft** and **LinkedIn.** *Link*
- **Career Essentials in Data Analysis** by **Microsoft** and **LinkedIn.** *Link*
- **Microsoft Learn AI Skills Challenge** by **Microsoft.** *Link*
- **Artificial Intelligence Virtual Experience Program** by **Cognizant.** *Link*
- **SQL (Advanced)** by **HackerRank.** *Link*
- **Google Cloud Skills Boost** Badges**.** *Link*
- **Artificial Intelligence ESDP** by **IITK and MSME .** *Link*
- **AWS Knowledge: Cloud Essentials** by **Amazon Web Services.** *Link*
- **Machine Learning with Python** by **IBM.** *Link*
- **OpenCV Bootcamp** by **OpenCV.** *Link*

CONTACT

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EDUCATION

BTech in Computer Science Engineering with Specialization in Machine Learning

Gautam Buddha University, Greater Noida (2021-2025)

TECHNICAL EXPERIENCE

Artificial Intelligence Intern

Stillsweb (June, 2024 - Present)

- Working on analysizing satellite multispectral data for the estimation of the local climate, vegetation indices and soil types in different farms to derive patterns for the types of crops grown due to the given factors.

Contributor

GirlScript Summer of Code (April, 2024 - Present)

- Contributing to several Open Source Projects on Github related to Generative AI and Machine Learning

Open Source Contributor

Social Winter of Code (December, 2023 - March, 2024)

- Contributed to several Open Source Projects on Github related to Generative AI, Computer Vision, Neural Networks and Machine Learning

Community Lead

CodeChef GBU Chapter/ Coding Community, GBU (April, 2023 - April, 2024)

- Managed and organized Technical Events and Hackathons
- Encouraged participation in Nation-Wide Hackathons

Machine Learning Intern

Omnipresent Robot Tech (July, 2022 - August 2022)

- Developed a software for an Indoor Autonomous Warehouse UAV using Computer Vision, Drone Technology and IoT for detecting and recognizing objects with the help of various frameworks and libraries like PyTorch and OpenCV.

PROJECTS

Tranquil Tour- Tourism Website

Github (April, 2023 - June, 2023)

- Created a Tourism website 'Tranquil Tour' using HTML-CSS for providing travel guides to tourists, and rendered on Flask framework.
- Implemented a Recommendation System on the basis of Collaborative Filtering and modelled using Scikit-Learn, Pandas and SciPy libraries, which gives recommendations of Indian cities to the users based on the cities entered by them.

Grocery Stock Levels Prediction

Github (July, 2023)

- Trained a Machine Learning model using a Multiple Regression algorithm using the Pandas, Scikit-learn libraries, Matplotlib, Sweetviz and Seaborn libraries, to predict the stock levels of a hypothetical Groceries Enterprise, based on the data from IOT sensors from the storage cell and the sales data.
- Created a web application of the model using HTML-CSS.

3-in-1 GPT Model

Github (December, 2023)

- Built this application fully using Python, using the StreamLit library and OpenAI module. It has been built on top of Speech Generation and Image Generation APIs on the OpenAI API Platform and serves three purposes: as a Conversational Agent, Speech Generator and Image Generator.