RAJKUMAR GOUD

Address:Village Sutawar, Dist. Deoria, 274502 UTTAR PRADESH (INDIA)

Email:24f1002577@ds.study.iitm.ac.in

Phone:+91 6269217807

LinkedIn:Rajkumar Goud

GitHub : ⊕ rajkumarwolftiger - Overview

KEY

- ETHICAL HACKING, ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, DATA SCIENCE WITH PYTHON, QUANTUM COMPUTING.

WORK EXPERIENCE

[INTERNSHIP]

- **Research Intern (Data Analysis)**
  IIT Mandi – Under the guidance of Prof. Varun Dutt
  Duration: [JUNE 2025 - AUGUST 2025]

Worked on **Virtual Reality (VR) and Ray Study experiments**, assisting in data collection and analysis for human-computer interaction research.

Performed **signal processing of ECG and EEG data** to extract meaningful physiological and cognitive features.

Applied statistical and computational methods for data preprocessing, filtering, and feature extraction.

Utilized tools such as **Python (NumPy, Pandas, SciPy), MATLAB, and signal processing libraries** for analysis and visualization.

Contributed to insights on physiological responses in VR-based experimental settings.

[PROJECT]

- **Data Analysis AI Agent |** *Python, Flask, Pandas, OpenAI API, Matplotlib, DuckDB*

Developed a web-based AI agent that processes user-uploaded prompts (question.txt) and generates automated analytical insights in **JSON format**.

Integrated **OpenAI API** with **Pandas, NumPy, and DuckDB** to perform exploratory data analysis, statistical computations, and data querying.

Implemented **Flask + Gunicorn** backend for efficient file handling and seamless deployment.

Automated data visualization using **Matplotlib and Seaborn**, enabling quick interpretation of results without manual coding.

Reduced manual data analysis effort by providing instant, structured, and interactive insights for decision-making. [LINK : https://data-analyst-ai-agent-fwib.onrender.com].

[WORKSHOP]

- ROBOGEN WORKSHOP ON ROBOTICS.

In this workshop, I have learned about robotics and how they work on a small scale. I have learned through making remote control cars.

EDUCATION

- INDIAN INSTITUTE OF TECHNOLOGY MADRAS, TAMIL NADU - BSC. [2023 - Present]

- BHEL VIKRAM HIGHER SECONDARY SCHOOL

BHOPAL (M.P) - SENIOR SECONDARY SCHOOL CERTIFICATE.[74 Percent (July 20221)]

- BHEL VIKRAM HIGHER SECONDARY SCHOOL

BHOPAL (M.P) - SENIOR SECONDARY SCHOOL CERTIFICATE.[73 Percent (July 2019)]

SKILLS

Python, JAVA, C++, C, PHP, CSS,HTML, SQL, java-script, react-js, type-script

LABORATORY UV Spectroscopy, Cyclic voltammetry, Chromatography

LANGUAGE : English, Hindi

OTHERS : Leadership, Innovative, Team Management

SPORTS

- Cricket
- Badminton
- Volleyball
- Table Tennis
- Basketball