RACHANA N S

rachanans08@gmail.com | (+91) 9606221836

@Rachana-ns   /Rachana-n-s

SKILLS

- ❖ **Programming Languages:** C, Python
- ❖ **Web Technologies:** HTML, CSS
- ❖ **Data Science & Analytics:** Machine Learning, SQL, Power BI
- ❖ **Development Tools:** Jupyter Notebook

EDUCATION

- ❖ AI & DS| Global Academy of Technology   *CGPA***:** *9.80|(Date)*
- ❖ XII| Narayana PU College   *95.3%| 2022*

EXPERIENCE

- ❖ **Academic Research| IC3ECSBHI 2025 Conference**
  Presented research on "Comparative Analysis of the Determining Factors of Insomnia Using Fuzzy Logic". Applied fuzzy logic to analyze insomnia related factors and shared findings at the conference.

- ❖ **Participant | IBM Z Datathon (Team Oasis)**
  Developed a lake encroachment detection model using satellite images. Used Google Earth Engine and Machine Learning to analyze land changes over time.

ACADEMIC PROJECTS

- ❖ **PowerBI Integrated Datawarehouse Management System using Apache Spark(Team Project) | LINK**
  Built a data warehouse using Apache Spark, automating data processing for seamless PowerBI Integration. Designed ETL Pipelines to transform raw data into structured formats, enabling real-time analytics.

- ❖ **Lake Encroachment Detection**
  Worked on detecting lake encroachment using satellite images by analyzing changes over time. Used tools like Google Earth Engine, OpenCV to process lake images, calculate affected areas, and automate alert notifications.

ACHIEVEMENTS

- ❖ **Runner-Up| IBM Z Datathon**
  Secured runner-up position in the IBM Z Datathon as a part of Team Oasis, developing a lake encroachment detection system.

CERTIFICATES

- ❖ **NPTEL-** Data Science for Engineers
- ❖ **IBM-** Getting Started with Enterprise -Grade AI
- ❖ **IBM-** Getting Started with Enterprise Data Science
- ❖ **IBM Z Xplore-** Concepts Badge