RIYA SARAF

Data Science Student

9201526142 riyasaraf19@gmail.com

https://www.linkedin.com/in/riya-saraf-9223a9257/

EDUCATION

B.Tech Cse - Data Science

Baderia Global Institute of engineering& Managemet
2023 - 2026

Matriculation (PCM)

Nachiketa Higher Secondary School
2022

Intermediate

Nachiketa Higher Secondary School
2020

EXPERTISE

- **Programming Languages:** Python, C++
- **Data Manipulation:** Pandas, NumPy
- **Data Visualization:** Matplotlib, Seaborn, Plotly
- **Machine learning basics**
- **Statistical Analysis**
- **Database Management:** SQL
- HTML, Css Proficiency
- Data Structures and Algorithms
- Version Control Systems: Git, Github
- Analytical Thinking
- Problem-Solving

LANGUAGE

- English
- Hindi

PROFILE

Motivated and enthusiastic, actively pursuing an internship position to leverage educational background in Data Science for practical experience in various job roles within the field. Strong desire to contribute to a dynamic team and eager to enhance skills in a professional environment,

WORK EXPERIENCE

Tutor

Private tutoring **2023 onwards**

I tutor 10th class students in subjects like Mathematics, Science, English, and Social Studies, using customized lesson plans and diverse teaching techniques to enhance engagement and understanding. I support exam preparation with practice tests and strategies, monitor progress with feedback for parents, and create a nurturing environment to boost confidence and foster a love for learning.

IBM Skillsbuild

Internship student **June 2024**

I engaged in AI and ML projects under industry experts, applying machine learning techniques to analyze large datasets and optimize models for real-world challenges using both supervised and unsupervised learning. Proficient in Python, I utilized IBM SkillsBuild tools to learn frameworks like TensorFlow and scikit-learn, conducting data preprocessing and model evaluation. I contributed to team discussions for innovative AI solutions and tracked project progress, delivering final presentations to mentors.

ACHIVEMENTS

Branch Topper

BADERIA GLOBAL INSTITUTE OF ENGINEERING AND MANAGEMENT, 2023 AND 2024
RECOGNIZED AS THE TOP-PERFORMING STUDENT IN THE COMPUTER SCIENCE & ENGINEERING BRANCH - DATA SCIENCE FOR TWO CONSECUTIVE YEARS.

CERTIFICATIONS

- JOURNEY TO CLOUD: ENVISIONING YOUR SOLUTION, IBM SKILLSBUILD, JABALPUR, 07/01/23
- GETTING STARTED WITH ENTERPRISE DATA SCIENCE, IBM SKILLSBUILD, JABALPUR, 07/01/23
- DATA ANALYTICS WITH IBM COGNOS, SMARTINTERNZ, JABALPUR, 07/01/23
- PCAP: PROGRAMMING ESSENTIALS IN PYTHON, PYTHON INSTITUE BY OPENEDG, JABALPUR, 03/01/24
- GETTING STARTED WITH ARTIFICIAL INTELLIGENCE, IBM SKILLSBUILD, JABALPUR, 06/01/24
- DATA ANALYTICS SIMULATION AND VISUALIZATION JOB, ACCENTURE, REMOTE, 06/10/24
- INTRODUCTION TO DATA SCIENCE, CISCO NETWORKING ACADEMY,. REMOTE, 06/28/24

PROJECTS

1.MOVIE RATING PREDICTOR

PERSONAL PROJECT | HTTPS://GITHUB.COM/RIYAAAA19/MOVIE-RATING-PREDICTOR/TREE/MAIN | OCT 2024

- DEVELOPED A WEB APPLICATION USING STREAMLIT TO PREDICT MOVIE RATINGS BASED ON FEATURES LIKE GENRE, DIRECTOR, AND CAST.
- IMPLEMENTED MACHINE LEARNING WITH RANDOM FOREST REGRESSOR, ACHIEVING A 90% PREDICTION ACCURACY ON TEST DATA.
- UTILIZED PANDAS FOR DATA MANIPULATION AND SCIKIT-LEARN FOR PREPROCESSING AND MODELING.
- DESIGNED A USER-FRIENDLY INTERFACE, ALLOWING USERS TO INPUT MOVIE DETAILS AND RECEIVE INSTANT PREDICTIONS.
- MANAGED VERSION CONTROL AND COLLABORATION USING GIT, WITH THE PROJECT HOSTED ON GITHUB.

2. WEB APPLICATION FOR HYBRID SENTIMENT ANALYSIS

ONGOING PROJECT

DEVELOPING A WEB APP THAT UTILIZES A HYBRID SENTIMENT ANALYSIS MODEL COMBINING RULE-BASED METHODS AND MACHINE LEARNING (LOGISTIC REGRESSION, TF-IDF) TO ANALYZE E-COMMERCE CUSTOMER REVIEWS.

- FRONTEND: USER-FRIENDLY INTERFACE (HTML, CSS) FOR SUBMITTING REVIEWS AND DISPLAYING REAL-TIME SENTIMENT FEEDBACK (POSITIVE, NEGATIVE, NEUTRAL) WITH CONFIDENCE SCORES.
- BACKEND: BUILT WITH FLASK TO PROCESS REVIEWS USING A PREPROCESSING PIPELINE AND HYBRID SENTIMENT ANALYSIS MODELS FOR IMPROVED ACCURACY.
- MODEL TRAINING: DATA PREPROCESSING, TF-IDF FEATURE EXTRACTION, AND TRAINING ON LABELED DATASETS.
- FUTURE PLANS: DEPLOYMENT ON HEROKU AND OFFERING THE MODEL AS AN API.

TECHNOLOGIES: PYTHON (FLASK), HTML, CSS, SCIKIT-LEARN, NLTK, PANDAS, GIT, JUPYTER NOTEBOOKS, POSTMAN