Ravi Raushan Kumar

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SUMMARY

Aspiring Data Scientist and BTech student with a strong foundation in Python, data analysis, and machine learning. Proficient in Pandas, Scikit-learn, and evaluation metrics such as confusion matrix, precision, and recall. Hands-on experience with real-world datasets, model building, and Kaggle competitions. Adept at extracting actionable insights and communicating findings clearly. Eager to contribute data-driven solutions in a collaborative, innovative environment

TECHNICAL SKILLS

- **Programming Languages & Frameworks:** Python (Core), C , C++ , JavaScript , React.js, React Native.
- **Libraries**: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Flask.
- **Tools & Platforms:** Git, GitHub, Docker.
- **Databases:** MySQL, MongoDB.
- **Languages:** English (Proficient - B2), Hindi (Fluent - 100%).

PROJECTS

Crop Recommendation System (Flask App)
Technologies: Python, NumPy, Pandas, Seaborn, Flask, HTML5, CSS3, Scikit-learn, Pickle.
Github

- Developed a **Flask-based web application** for Crop recommendation system using machine learning.
- Implemented a **predictive model** trained on soil testing reports to classify soil conditions and recommend suitable crops.
- Integrated **Flask as a backend API** to process input features and return real-time predictions.
- Managed version control with **Git & GitHub** for collaborative development and deployment.

Bangalore House Price Prediction.
Technologies: Python, NumPy, Pandas, Seaborn, Flask, HTML5, CSS3, Scikit-learn, Pickle
Github

- Developed a Flask-based web application to predict house prices using a machine learning model trained on real estate data from Bangalore.
- Engineered a predictive model using features like location, area, and number of bedrooms to predict prices.
- Designed and integrated RESTful Flask APIs to handle real-time data input and return accurate predictions dynamically.

Sonar (Rock vs Mine prediction).
Technologies: Python, NumPy, Pandas, Seaborn, Flask, HTML5, CSS3, Scikit-learn, Pickle
Github

- Developed a Flask-based web application for Sonar Rock vs Mine classification using machine learning.
- Implemented a predictive model trained on sonar signal frequency data to accurately distinguish between underwater mines.
- Integrated **Flask as a backend API** to handle user input, process 60 numerical features, and deliver real-time predictions via a clean web interface.
- Managed version control with **Git & GitHub** for project tracking, collaboration, and deployment readiness.

EDUCATION & OTHER

Shobhit Institute of Engineering and Technology, Meerut,U.P
Bachelor of Technology in Computer Science Engineering (B.Tech CSE)
(2023-2027) (Expected) Current GPA: ***8.12***

CERTIFICATIONS

The Complete Python Course – SWAYAM (IIT Madras)
The Complete Power BI Course - SkillsUP