ROUNAK KUMAR

Noida, Uttar Pradesh

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Profile Summary

A motivated programmer with a strong foundation in modern frameworks and techniques. Passionate about contributing to creative projects and delivering excellent software solutions while continuously refining skills and staying updated with industry developments.

EDUCATION

Galgotias University, Greater Noida, Uttar Pradesh   **2021 – 2025**
B.Tech - Computer Science and Engineering - CGPA - 8.39   *Greater Noida, Uttar Pradesh*

INTERNSHIP

InternPe   **Apr, 2024 – May, 2024**
Python programmer   *Remote*

- Developed GUI-based applications (To-Do List, Password Generator, and Calculator).
- Gained hands-on experience in Python programming, GUI development, and web application development during the internship.

Zidio   **July, 2024 – October, 2024**
Web Developer   *Remote*

- Developed a job listing portal using Python and Flask, implementing user authentication and certificate verification features.
- Designed a responsive user interface with React.js and created RESTful APIs for data management and user interaction.

PROJECTS

Image Denoising ⬀ | Python, OpenCV, HTML, CSS, JavaScript

- Utilizing Flask in Python, develop a web interface for image denoising powered by AI algorithms, allowing users to upload noisy images and obtain denoised outputs.
- Also, transform them through various noise types, enhancing user experience and versatility.

Movie Recommendation ⬀ | Flask, Python,Bootstrap, Artificial Intelligence, Machine Learning

- Developed a Flask-based web platform integrating machine learning algorithms to provide personalized movie recommendations.
- Improved user experience by implementing intelligent recommendation systems, optimizing platform performance.

Inert AI Farming ⬀ | Flask, Python,Bootstrap, Artificial Intelligence, Machine Learning

- Developed a Crop Yield Prediction system using Random Forest with weather and soil parameters.
- Created a Fertilizer Recommendation tool based on soil type and weather data.
- Implemented a Price Prediction model using SARIMAX and government WPI data and also build Crop Yield Prediction.
- Established a Marketplace for farmers to connect directly with sellers.

TECHNICAL SKILLS

- **Languages:** Python, Java
- **Technologies/Frameworks:** HTML, CSS, JavaScript, Flask, Artificial Intelligence, Machine Learning, Git, GitHub, MongoDB, MySQL

Achievements

Finalist in Dark Pattern Buster Hackathon

2023

- Finalist in the Dark Pattern Buster Hackathon, developed a browser extension to detect and counter deceptive website tactics, enhancing user protection.

Top 5 in HackWithDelhi

2024

- Celebrated for groundbreaking solutions in crop prediction, fertilizer optimization, price forecasting, disease detection, and real-time agricultural news.