

Prabal Pratap Singh

B.Tech Graduate

Greetings, I'm Prabal and I'm here to enhance my skills, gain experience, and secure a responsible career. I am an enthusiastic individual with a meritorious educational background and strong organizational skills. I am seeking a position that not only allows me to utilize these attributes but also enables me to work effectively with people. My goal is to contribute positively to new opportunities, learn new skills, and facilitate the growth of the organization.

Contact

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Home Address

I.T.I. Road, Aligarh, Uttar Pradesh

Education

2020-2024

B.tech CSE AIML (Hons.)

UPES, Dehradun

2020

12th | CBSE | 75.2%

Neehar Meera Sr. Secondary School

Technical Skills

- Python
- MySQL
- Power BI
- Tableau

Tools & Library

Pandas, NumPy, Matplotlib, Scikitlearn, Tensorflow, NLTK, BeautifulSoup, Scrapy, Seaborn

Experience

Jul 2024 - Dec 2024

Executive at ProcMart

As an Executive at ProcMart, I was responsible for analyzing and managing procurement data to optimize operations. I meticulously arranged and organized quotations for crucial client orders, ensuring that data was accurately captured and aligned with business objectives. I conducted detailed cost-benefit analyses to guide strategic decision-making, identifying areas where data-driven insights could lead to significant cost savings. My role also involved negotiating costs and developing supplier contracts, where I applied analytical skills to secure the best possible terms. Additionally, I identified and implemented cost optimization and reduction initiatives, using data to drive efficiencies and reduce expenses.

Jan 2024 - Jul 2024

Intern at ProcMart

During my internship at ProcMart I contributed by arranging quotations for requests at the Client for crucial orders and conducting cost-benefit analyses, I also negotiated costs and developing contracts with suppliers. and identified as well as implementing cost optimization and reduction initiatives.

Jun 2023 - Sep 2023

Intern at IBM

During my internship at IBM, I contributed to the development of an AI-powered Recommendation System for online streaming platforms specializing in TV shows and movies. In this role, I actively employed Content-Based and Item-Based Collaborative Filtering techniques to enhance the project's capabilities and optimize user recommendations.

Jun 2021 - Jul 2021

Social Internship | Udaan Society | NGO

Worked in Udaan Society, NGO and get to know their working. Society's focus was to help children who have been separated from their parents to help them get in touch with their parents. We spread awareness about children and their related problems through social media platforms. In the NGO our main work was to update the annual report of the year till date

Projects

Title-Rubik's cube solver

Project Description:

Engineered a highly efficient algorithmic Rubik's Cube solver utilizing a heuristic approach, implemented with Python and Visual Studio Code. This sophisticated solver computes the optimal sequence of moves to solve the cube within 5 moves or accurately returns false if unsolvable, showcasing advanced problem-solving and optimization skills.

Technologies:

Programming Language: Python

Development Environment: Visual Studio Code

Algorithmic Approach: Heuristic

Language

- English
- Hindi

Title:- Twitter Data Web Scraping and NLP Analysis

Project Description:

Designed and executed a comprehensive web scraping tool targeting Twitter user accounts, employing advanced natural language processing (NLP) techniques. Extracted and systematically stored relevant data based on specific keywords in CSV format, facilitating subsequent in-depth analysis. Demonstrated expertise in web scraping, data extraction, and NLP-based data analytics.

Technologies:

Web Scraping Tools: BeautifulSoup, Scrapy (Python libraries)

Data Analysis Tools: Pandas, Natural Language Toolkit (NLTK)

Data Storage Format: CSV

Title:- Air Quality Prediction

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Designed and executed a comprehensive web scraping tool targeting Twitter user accounts, employing advanced natural language processing (NLP) techniques. Extracted and systematically stored relevant data based on specific keywords in CSV format, facilitating subsequent in-depth analysis. Demonstrated expertise in web scraping, data extraction, and NLP-based data analytics.

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Data Storage Format: CSV