Rishikesh Patnala

DATA SCIENTIST

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SKILLS

Programming Languages: Python, C

- Proficient in Python libraries: NumPy, Pandas, Matplotlib (Data Manipulation, Data Visualization)

Machine Learning:

- Hands-on experience with algorithms: Linear Regression, Logistic Regression, Random Forest, SVM, K-Nearest Neighbors (KNN), etc.

Deep Learning:

- Expertise in building neural networks using frameworks: TensorFlow, Keras, PyTorch

Data Analysis & Visualization:

- Data wrangling and visualization using Python libraries

- Tools: Pandas, NumPy, Matplotlib, Seaborn

Web Development:

- Backend Development: Django, Django REST Framework

- Frontend Development: HTML, CSS, JavaScript

- Web Scraping: Selenium, BeautifulSoup

DevOps:

- Server Management (Nginx, Gunicorn)

- Experience with web servers and application servers configuration

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PROJECTS

E-commerce Website Development

- Developed backend services for [Vaihita Green Harvest](#) using Django Framework, ensuring robust, production-level service delivery.

Credit Card Fraud Detection

- Designed and implemented machine learning models (Logistic Regression, Random Forest) to predict and prevent fraudulent activities in credit card transactions.

News Category Classification & Prediction

- Applied machine learning and NLP techniques to classify news articles into categories, leveraging models like Naive Bayes, Decision Trees.

Payment Fraud Detection

- Developed a machine learning model that identifies patterns of fraudulent payments to reduce financial risk for e-commerce platforms.

AI-Powered Chatbot

- Built a deep learning-based chatbot with NLP capabilities using TensorFlow and Keras for enhanced user interaction.

Database-Driven Rehabilitation Center Website

- Full-stack development for curerehab.in, creating dynamic, data-driven website with Django and PostgreSQL for rehabilitation center management.

Mobile Taxi Rental Application

- Developed a full-stack mobile application using Django REST Framework for backend APIs and React Native for cross-platform mobile development.

Live Traffic Prediction System

- Created a deep learning-based model for real-time traffic prediction, forecasting congestion patterns based on live traffic data.

EDUCATION

Samskruti College of Engineering and Technology
Diploma in Artificial Intelligence & Machine Learning (Current)

Dilsukhnagar Public School
Secondary School Certificate (SSC)
CGPA: 9.2/10

OBJECTIVE

Aspiring **Data Scientist** with a recent **Diploma in Artificial Intelligence & Machine Learning**. Seeking to leverage analytical skills, machine learning expertise, and proficiency in Python, SQL (PostgreSQL), and data analysis tools to contribute to innovative, data-driven solutions. Passionate about applying machine learning models and deep learning techniques to real-world challenges. Eager to work in a dynamic team, supporting impactful business decisions and strategies.