Rohit Kumar

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PROFESSIONAL SUMMARY

Detail-oriented Data Scientist with expertise in machine learning, predictive modeling, NLP, and data visualization. Passionate about leveraging AI-driven solutions to extract actionable insights and drive business growth. Proficient in Python, SQL, Power BI, and Tableau, with a strong foundation in real-time data processing and analytics.

SKILLS & TOOLS

- Programming & Data Science: Python, SQL, Machine Learning, NLP, Deep Learning

- Data Analytics & Visualization: Tableau, Power BI, EDA, Predictive Modeling

- Business & Communication: Client Presentations, Business Understanding, Report Generation

- Frameworks & Tools: Scikit-learn, Seaborn, Pandas, NumPy, Hadoop, TensorFlow, PyTorch

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PROFESSIONAL EXPERIENCE

Data Scientist

Ahana Systems and Solutions **(Jan 2025 - Apr 2025)**

- Led data-driven projects focusing on predictive analytics and machine learning.

- Performed data preprocessing, feature engineering, and model optimization to enhance accuracy.

- Developed AI-powered solutions to generate actionable business insights.

Data Science Intern

BDreamz Global Solutions Private Limited **(Jun 2023 - Aug 2024)**

- Built an Election Outcome Prediction Model using Python.

- Conducted Exploratory Data Analysis (EDA) to uncover meaningful patterns.

- Created data visualizations using Seaborn for better interpretability.

- Validated key regression assumptions (Linearity, Independence, Homoscedasticity).

- Achieved 87% recall score using Logistic Regression.

Mentor - Data Science

***UpGrad | Uber India Systems Private Limited (Remote)* (Nov 2023 - Feb 2024)**

- Mentored learners in data analytics and business problem-solving using Python.

- Conducted EDA following CRISP-DM standards, utilizing Seaborn-based visualizations.

- Evaluated machine learning models using R-squared metrics, achieving 89% accuracy with Linear Regression.

PROJECTS

Stock Market Price Prediction | [GitHub Repository](#)

- Analyzed historical stock data to identify trends and market behavior.

- Developed predictive models using machine learning techniques.

- Evaluated stock price movements using R-squared Score, MSE, and MAE.

- Provided risk management insights to aid investment decisions.

AI Chatbot using NLP | [GitHub Repository](#)

- Developed an intelligent AI chatbot for enhanced conversational interactions.

- Implemented tokenization, normalization, and lemmatization for NLP processing.

- Extracted user intents and entities for improved query handling.

- Integrated pre-trained language models with rule-based logic for better response generation.

Fake URL Detection using LSTM

- Built a phishing detection system using deep learning (LSTM).

- Processed URL datasets from PhishTank for classification.

- Achieved high detection accuracy, enhancing cybersecurity awareness.

EDUCATION & CERTIFICATIONS

- Certified Data Scientist | University of Texas

- Post Graduate in Data Science & Business Analytics | Great Learning

- Graduate Certificate in Data Science | UpGrad

- B.Tech in Computer Science & Engineering | GITAM Institute of Science and Technology