Vikash Kumar Ojha

Greater Noida, Uttar Pradesh – 201310
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Objective

Seeking a software developer position to use my MCA degree and skills in Java, Python, and SQL for developing innovative solutions and contributing to the success of a technology-driven company.

Internship

- **RPA Developer Virtual Internship from UiPath** **April 2024 – June 2024**
  Completed a structured virtual internship program focused on Robotic Process Automation using UiPath Studio.
  Gained hands-on experience in designing, building, and deploying automation workflows.
  Earned certification of completion from UiPath recognizing practical RPA development skills.
- **Zero Trust Cloud Security Virtual Internship** **July 2024 – September 2024**
  Completed a virtual internship focused on Zero Trust architecture and modern cloud security principles.
  Awarded a certificate of completion recognizing understanding of Zero Trust strategies and their implementation.

Education

- **Galgotias University, Greater Noida** **86.07%**
  Master's of Computer Application

- **IGNOU OPEN UNIVERSITY** **68.25%**
  Bachelors of Computer Application

Skills

- **Programming Skills** -: Java, Python, MySQL Developer
- **Tools** -: Git, Android Studio
- **Software** -: VS Code, Visual Studio, Jupyter Notebook
- **Libraries** -: NumPy, Matplotlib
- **Soft Skills** -: Leadership, Problem Solving, Creative, Communication

Projects

- **IPL WIN PREDICTOR USING MACHINE LEARNING**

Tools & Technologies: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Machine Learning (Logistic Regression), Pickle.

Description:
Developed a machine learning-based system to predict the probability of a team winning an

IPL match during the second innings. The project involved extensive data preprocessing and feature engineering using IPL match and delivery-level datasets. Key features such as current score, balls remaining, wickets lost, required run rate, and city were derived to represent real-time match scenarios.

Built a classification model using Logistic Regression with a preprocessing pipeline that included one-hot encoding for categorical features like batting and bowling teams. The model predicts match outcomes with high accuracy and provides win probabilities after each over. Integrated data visualization to show win/loss probabilities, runs scored, and wickets fallen over the course of an innings.

The final model was serialized using Pickle for deployment or future use.

- **CRIME RATE ANALYSIS USING MACHINE LEARNING**

Tools & Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Machine Learning (K-Means, Random Forest, Logistic Regression, SVM)

Description:

Designed and implemented a data-driven analytical model to explore and analyze the trends in child-related crime rates across Indian states from 2001 to 2012. The project utilized clustering and classification techniques to identify crime patterns, outliers, and state-wise crime severity levels.

Performed in-depth data preprocessing, feature encoding, and visualization to understand spatial and temporal crime distributions. Implemented K-Means clustering to group states based on their crime statistics and applied supervised learning algorithms—Random Forest, Logistic Regression, and Support Vector Machine (SVM)—to predict crime rate clusters based on historical data.

Used bar plots, line charts, and heatmaps for visual storytelling, helping to highlight year-wise and state-wise crime fluctuations.

Certificate

- Python 101 For Data science From IBM Skills Build.
- Data Analysis With Python From IBM Skills Build**.**