Karma Gurung

Data Science | Data Scientist

New York City, NY 11378 | karmaguru.work@gmail.com | karma-gurung.streamlit.app | Linkedin | Github

Recent Computer Science graduate proficient in Data Science with a strong foundation in statistical modeling, machine learning, and data manipulation. Experienced in Python and Scikit-Learn, with a focus on building predictive models and extracting insights from complex datasets. Proven ability to communicate findings effectively to both technical and non-technical audiences. Passionate about leveraging data-driven solutions for business growth and informed decision-making.

Technical Skills

Programming Languages: Utilize Python (Pandas, NumPy, Seaborn) and SQL effectively
Analytical / Data Visualization Tools: Proficient in Microsoft Excel, Statistics, Tableau, Matplotlib, and Plotly
Data Processing: Implement Sklearn, TensorFlow, Statistical Modeling, Machine Learning Algorithms, Data Cleaning, Data Manipulation, Hypothesis Testing, A/B Testing, Statistical Analysis, Big Data (Hadoop and Spark)

Experience

Data Science Fellow | March 2024 – Present
Springboard | Remote
- **Built Safety Gear Detection Application:**
  - Engineered an AI-driven solution leveraging Python, OpenCV, TensorFlow, and YOLO to monitor construction site safety gear, enhanced compliance by 30% and minimized inspection time by 40 hours monthly.
  - Enhanced safety protocols and reduced risk of accidents by 80% through accurate detection and timely notification.
- **Constructed Product Recommendation System:**
  - Developed a product recommendation system using Python, Pandas, Sklearn, and Matplotlib. Analyzed user interactions and historical purchases to train machine learning models, resulting in a 20% improvement in recommendation accuracy.
  - Enhanced user experience and engagement by 25% through a complete redesign of the app interface. Incorporated user feedback and industry best practices, leading to increased user satisfaction and interaction rates.
- **Developed Dynamic Pricing Strategy Model:**
  - Created a dynamic pricing strategy model using Python, Pandas, and Sklearn. Conducted competitor analysis and applied data-driven techniques to optimize pricing, aiming for a 5% revenue increase.

Education

Data Science Certification, Springboard, Jun 2024
BS, Computer Science, Western Governors University, Dec 2023

Certifications

ITIL® Foundation - PeopleCert - Nov 2023
Linux Essentials Certification - LPI - Oct 2023
Python For Everybody - University of Michigan - Dec 2022
Google Data Analytics - Google Career Certificates - Dec 2022