Sumit Kumar Karn

Aspiring Data Scientist

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Summary

Aspiring Data Scientist with strong foundations in Python, SQL, Machine Learning, NLP, and Data Analysis. Experienced in end-to-end ML workflows including data preprocessing, EDA, feature engineering, model training, and evaluation. Hands-on experience building real-world ML and MLOps projects using Scikit-learn, MLflow, and Docker.

Technical Skills

Languages: Python, Java, SQL

Web: HTML, CSS, JavaScript

ML / AI: Scikit-learn, Classification, Regression, Clustering, NLP, Model Building & Analytics

Data Science & Statistics: Statistics, Probability, EDA, Feature Engineering, Hypothesis Testing, Data Cleaning, NLP Preprocessing

Data Visualization: Excel, Pandas, NumPy, Matplotlib, Seaborn

Tools & Platforms: VS Code, Git, GitHub, Jupyter Notebook, Flask, Streamlit

Cloud / AI: Generative AI & LLM (Basics)

Computer Science: Data Structures, OOPS, Algorithms

MLOps: MLflow, DVC, Docker, Practical Pipeline Development, Data Validation

Experience

AI/ML Virtual Internship – AWS Academy + AICTE

Apr 2025 – Jun 2025

- Completed AWS Machine Learning Foundations program.
- Built 5+ Machine Learning projects using Python.
- Earned Google Cloud Skill Boost badges in Generative AI and LLM.
- Participated in internships and hackathons using ML pipelines.

AI/ML Virtual Internship – Google Developers + Eduskills

Nov 2024 – Jan 2025

- Certified in AI/ML via Eduskills.
- Earned TensorFlow and Object Detection badges.
- Applied ML techniques for image search, classification, and detection.

Projects

Weather Prediction Using Data Mining and AI

- Developed a machine learning–based weather prediction system using historical weather data.
- Performed data cleaning, exploratory data analysis (EDA), and feature engineering.
- Trained and evaluated regression models to forecast temperature and weather conditions.
- Improved prediction accuracy through model evaluation and tuning.

https://github.com/Sumit006-coder-dotcom/weather-prediction-ai

NLP Text Classification Project

- Built a Natural Language Processing (NLP) system for text classification and sentiment analysis.
- Performed text preprocessing including tokenization, stopword removal, and lemmatization.
- Converted text data into numerical features using TF-IDF and Bag-of-Words.
- Trained machine learning models such as Logistic Regression for classification.
- Evaluated model performance using accuracy, precision, recall, and F1-score.

https://github.com/Sumit006-coder-dotcom/NLP--Kindle-Review-Sentiment-Analysis

Education

- Secondary School (10th) – Sarvodaya Bal Vidyalaya, New Delhi (2020)
- Senior Secondary School (12th) – Sarvodaya Bal Vidyalaya, New Delhi (2022)
- BCA (Hons. with Research) – Galgotias University (2023 – 2027)

Certifications

- IBM SkillsBuild – Machine Learning with Python
- IBM SkillsBuild – Data Science with Python (Level 2)

- IBM SkillsBuild – AI Fundamentals
- AWS – Machine Learning Foundations
- Google Cloud – Generative AI & Large Language Models (Basics)