Kushal Rana

Data Scientist | Machine learning Engineer

 KushalranaAI | Kushal rana | E-mail | Portfolio

Introduction

As a dedicated and ambitious Computer Science and Engineering student with a strong passion for continuous learning and skill development. Proficient in mathematics and computer science, with a particular focus on AI, data science, machine learning, deep learning, and data visualization. Knowledgeable in the integration of applications through APIs. Committed to utilizing acquired skills to enable data-driven decision-making and enhance organizational operations. Seeking collaborative opportunities to apply expertise to real-world projects.

Projects

Heart disease prediction   Link to Demo

- Developed a machine learning algorithm with 85 percent accuracy to predict heart disease in patients.
- Conducted data preprocessing and feature engineering on a dataset downloaded from the Kaggle platform.
- Selected and trained the machine learning model using Python and popular libraries such as scikit-learn.
- Tuned the hyperparameters of the model to optimize its performance.

End to End Recommendation system   Link to Demo

- Building a content-based recommendation engine for a social networking site.
- Collected, pre-processed, and performed feature engineering on data extracted from a website database.
- Gaining real-world experience by working on practical applications.

Education

2020 - Present	Bachelor of Technology (Computer Science and Engineering) from IKGPTU Mohali Campus-1 **(Aggregate: 8.0/10)**
2019	Class 12th CBSE Board (Percentage = 78)

Skills

Database: SQL, NOSQL
Programming language: Python, C++
Data Analysis: EDA, Data Wrangling, Data visualization, Web scraping, Feature engineering
Machine Learning: Recommendation system, Regression, Statistical analysis, Model Development
REST API (Django, FastAPI)
Packages: Scikit-learn, Numpy, Pandas, Matplotlib, BeautifulSoup, NLTK, Jupyter notebook

Tools

MongoDB, MySQL
Git/GitHub
Docker
AWS

Certifications

IBM Data Analyst Specialization
Machine Learning Specialization