

Neeraj

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Objective

Driven and passionate Computer Science Engineer specializing in Big Data Analytics, seeking to leverage my expertise in mathematics, data structures, and AI/ML to contribute to innovative tech solutions and advance the fast-growing tech world.

Projects

CNN for Flower Detection

- Developed a Convolutional Neural Network (CNN) model in Python to accurately detect and classify flowers such as roses, tulips, and marigolds. The project involved preprocessing image data, building and training the CNN model, and evaluating its performance.

Predicting Stock Prices Using Machine Learning

- Implemented various machine learning algorithms in Python to predict stock prices. The project included data collection, feature engineering, model selection, and performance evaluation to create an accurate and robust stock price prediction system.

Data Visualization for Postal Zip Codes in America map using ggplot

- Utilized ggplot2 in R to create comprehensive data visualizations for postal zip codes across America. The project involved data cleaning, analysis, and the creation of insightful visualizations to represent demographic and geographical trends.

Word Count Program in Hadoop Single Cluster

- Developed a word count program in Java to run on a single-node Hadoop cluster. The project demonstrated the ability to handle large-scale text data processing using the Hadoop framework and MapReduce programming model.

Basic Querying with Pig and Hive

- Conducted basic data querying using Apache Pig and Hive. The project involved writing and executing Pig scripts and Hive queries to perform ETL operations and data analysis on large datasets stored in the Hadoop ecosystem.

Technical Skills

Strongest Areas Skills

Data Structures, Algorithms, Mathematics
C/C++, Python, R, Linux, Git, MySQL

Soft Skills

Communication, Team Work, Time Management

Education

College of Engineering Guindy, Anna University

M.E. COMPUTER SCIENCE AND ENGINEERING SPECIALIZATION IN BIG DATA ANALYTICS

☐ Chennai, Tamil Nadu
2023 - 2025

Jaypee Institute of Information Technology

B.TECH COMPUTER SCIENCE AND ENGINEERING

NOIDA, Uttar Pradesh
2017 - 2021

Languages Known

English, Hindi, Bangla, Maithli