

Vishal Gupta

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR

B.Tech in Electrical Engineering

Nov 2022 - Present

Current GPA: 7.97

KENDRIYA VIDYALAYA No.2(Kanpur)

PCM+Computer Science

March 2021

Aggregate Percentage: 95.4%

EXPERIENCE

DATA SCIENCE & ANALYTICS INTERN

ZIDIO DEVELOPMENT

April-May 2024

GitHub Repo

- Preprocessed weather dataset to ensure data quality and reliability.
- Created new features using Python and Pandas to enhance weather trend analysis.
- Applied Ridge regression and backtesting to evaluate model accuracy and effectiveness.

PROJECTS

Diabetes Prediction System | *Kaggle, Pandas, NumPy, Accuracy score*

July 2024

- Implemented a diabetes prediction model using Support Vector Machine (SVM), achieving high accuracy in diagnosing the disease.
- Performed data preprocessing, including feature scaling with StandardScaler, to improve model performance.
- Achieved 78% accuracy in predicting diabetes using a supervised learning approach.
- GitHub Repo**

Movie Recommendation System | *Kaggle, Numpy, Pandas, TfidfVectorizer*

June 2024

- Developed a movie recommendation system using text similarity techniques to match user preferences with movie descriptions.
- Employed TF-IDF vectorization to transform movie descriptions into numerical representations, enabling precise content comparison.
- Achieved a significant increase in recommendation relevance, leading to higher user engagement on the platform.
- GitHub Repo**

Superstore Sales Analysis Project | *Tableau, GitHub*

March 2024

- Conducted comprehensive analysis of Superstore sales data to identify key trends and optimization opportunities.
- Utilized descriptive statistics and data visualization techniques to summarize sales performance across regions.

TECHNICAL SKILLS

Languages: C++, Python, SQL, HTML, CSS

Libraries: Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, PyTorch

Machine Learning Algorithms: Linear Regression, Logistic Regression, K-Nearest Neighbors (KNN), Decision Tree, Support Vector Machine (SVM), Ridge Regression

Natural Language Processing (NLP): TfidfVectorizer, Text Preprocessing, Tokenization

Data Visualization: Tableau

Tools: StandardScaler, Tesseract, OpenCV, OCR, Image Annotation

ACHIEVEMENTS

- Secured 3rd place in a monthly coding contest hosted by Branch Wise, demonstrating proficiency in problem-solving and algorithmic skills.
- Solved over 500+ DSA problems on LeetCode with a rating of 1637.

EXTRACURRICULAR

Seed | PR Head

Oct. 2023 – Present

Led initiatives to enhance electrical engineering skills through workshops, seminars, and collaborative projects.

Media Cell | Member

Feb. 2024 – Present

Responsible for covering and documenting college events, including reporting and creating media content.