Krrish Khurana

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Projects

Predictive Modelling on Train Accident Dataset   October 2024 - November 2024

- Predicted passenger survival in train accidents using advanced machine learning models to enhance safety measures and inform emergency response strategies
- Analyzed train dataset, implemented diverse machine learning models performed data loading, cleaning, imputation, and factor conversion.
- Created visualizations to interpret and present model results, providing insights into factors affecting passenger survival rates
- **Tech**: R, dplyr, caret, class, e1071, rpart, randomForest, KNN, Naive Bayes, Decision Trees, Random Forest, Linear Regression

Growing Store's Data Analysis 2022   April 2024 - May 2024

- Analyzed Growing Store's financial, operational, and market performance for 2022 to derive actionable insights and drive business improvements
- Conducted comprehensive ETL processes for data collection, cleansing, and transformation. Performed in-depth analysis of financial and operational metrics, studied market trends, customer feedback, and sustainability practices.
- Created interactive visualizations and presented insights in an engaging dashboard, enabling data-driven decision-making and strategic planning
- **Tech**: MS Excel

Mall Customer Analysis   April 2024 - May 2024

- Analyzed gender distribution, age demographics, annual income, and spending scores of mall customers to derive insights
- Used R to create a dashboard analysing mall customer data (gender, age, income, spending scores) for targeted marketing and increased profitability
- Improved customer segmentation and marketing efficiency, leading to increased profitability
- **Tech:** R, readr, dplyr, tidyr, ggplot2, plotly, flexdashboard, rmarkdown

Summer Training

Techvanto Academy – C++ Programming Language   June 2024 - July 2024

- Understand the fundamentals of C++, develop efficient coding skills, and solve problems in programming contests

  Project: Payroll Management System

- Created a system to automate employee payment processes using C++. Key features included employee information management, attendance tracking, salary calculation, pay slip generation, tax filing, and reporting
- Successfully streamlined payroll operations, reduced manual errors, and ensured compliance with regulations

Certificates

- **Data Visualization with Tableau - Coursera**   November 2024
- **Supervised Machine Learning: Regression and Classification - Coursera**   October 2024
- **Excel Skills for Data Analytics and Visualization – Coursera**   March 2024

Technical Skills

Languages: Python, C, C++, Java, R

Technologies/Frameworks: Django, Pandas, NumPy, Artificial Intelligence (AI), Tableau, MS Excel

Skills: Data Structures and Algorithms, Problem-Solving, Web Design, Adaptive Learner, Creativity, UI/UX Design

Education

Lovely Professional University Punjab   **August 2022 – Present**
Computer Science and Engineering — CGPA: 7.10   *Phagwara, Punjab*

Bhartiya Vidya Mandir Senior Secondary School   **March 2020 – March 2021**
Intermediate in Science — Percentage: 93.4%   *Ludhiana, Punjab*

Bharti Bal Vidya Mandir Senior Secondary School   **March 2018 – March 2019**
Matriculation — Percentage: 93.09%   *Ludhiana, Punjab*