KAJAL SINGH

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PROJECTS

Liver Disease Prediction Model **01/2024 – 04/2024**

Domain: Machine Learning/ ML | Programming Languages: Python

- Utilized algorithms like Logistic Regression, Random Forest, KNN, Decision Tree, and SVM to achieve high predictive accuracy.
- Performed data preprocessing, including feature selection, class balancing, and data standardization.
- Achieved a balanced ROC-AUC score and accuracy, demonstrating the model's effectiveness in early detection and diagnosis of liver diseases.
- Implemented the model for potential integration into healthcare decision-support systems.

House Rent Analysis in India **10/2023 – 11/2023**

- Conducted data analysis on predictive housing rent data in India using Python, resulting in the development of an advanced pr icing model that increased revenue by 25% in the real estate sector.
- Conducted comprehensive data analysis on a complex dataset, leveraging statistical techniques and visualization tools to uncover actionable insights that improved marketing campaign ROI by 25%.
- Applied statistical analysis, natural language processing, and machine learning methods to a large dataset for data mining, incorporating feature engineering, bias correction, and prediction.
- Evaluated and analyzed existing data to generate quantitative insights and models relevant to financial metrics.

Exam Seating Arrangement System **03/2023 - 05/2023**

- Developed an innovative Exam Seating Arrangement System in Java to efficiently manage exam-related details including exams, in charge personnel, rooms, students, and roll numbers. Employed object-oriented programming principles to create a scalable and robust system.
- Minimized manual data entry by implementing automated data input interfaces, enhancing efficiency and accuracy.
- Ensured data security and integrity through user authentication and authorization mechanisms.
- Learning about performance records, managing students' data, and utilizing the Java package.

Skill Based Job Recommendation System **09/2022 - 11/2022**

- Designed and developed a cutting-edge Skill-Based Job Recommendation System using C++, focusing on providing personalized job recommendations based on the professional skills of job seekers. Constructed a robust framework to analyze and match skill sets with job requirements, enhancing the efficiency and accuracy of job recommendations.
- Compiled a comprehensive dataset of job openings sourced from diverse job search websites to ensure a wide range of job options for users. • Implemented algorithms for skill analysis and matching, optimizing Careers aligned with your skills and interests the proficiency and relevance of skills possessed by job seekers.
- Engineered a sophisticated framework for job recommendation, leveraging C++ programming language to efficiently process and match professional skills with job requirements.

ACHIEVEMENTS

Gold Medal winner in the Poem Reciting Competition.
Qualified CDS examination.
Secured first place in a Competition on Presentation skill.
Runner-up in the competition on Quantitative Aptitude.

CERTIFICATIONS

C++ Programming from the Cipher School during June – July'23.
Supervised Machine Learning from Coursera during June -July'23.
the Software Development Life Cycle from Great Learning during March – April'23.

EDUCATION

Master of Computer Application (MCA)
Lovely Professional University, Punjab **08/2022 – 07/2024**
Overall CGPA – 7.90

Bachelor of Computer Application (BCA)
IP PG College Campus 2, Bulandshahr (UP) **08/2019 - 04/2022**
Percentage – 78%

SKILLS

Programming Languages: Python, C, C++, Java, JavaScript
Web programing: HTML, CSS
Testing: Selenium
Data Analysis: Excel, Power BI
Database Management: SQL, DBMS
Machine Learning: