Mohit Raj

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SKILLS SUMMARY

- **Languages:** C++, JavaScript, Python, R
- **Frameworks:** HTML and CSS, Apache Hadoop
- **Tools/Platforms**: MySQL, Excel, Tableau
- **Soft Skills:** Problem-Solving Skills, Project Management, Adaptability

TRAINING

Data Structures & Algorithms– Self Paced

GeeksforGeeks April- July 2024

- Completed the 16-week self-centered summer training program focused on core data structures and algorithms.
- Got hands -on experience with arrays, linked lists, trees, grading, dynamic programming, and more.
- Reduced 2-3 curated coding problems to bridge the principle with practical implementation.
- Regular coding enhanced problems-solution and analytical skills through challenges.
- Customized and focused on writing interview-ready code.
- Designed on a large scale for technical interview through structured learning and practice.

PROJECTS

CUSTOMER ANALYSIS November 2024

Domain: Data Visualization & Business Intelligence | **Technologies:** Tableau, Data Analytics

- Designed a customer analysis dashboard within Tableau, integrating sales data with demographic information, to identify and fix the three biggest causes of customer churn and improve retention.
- Created interactive charts (heat maps, bar charts, time-series) to track regional performance, product trends, and customer segmentation.
- Used calculated fields and data filters to dynamically visualize sales performance by region, age, and gender.
- Leveraged interactive dashboards, built using regional performance data, to pinpoint underperforming markets; enabled targeted marketing campaigns that increased lead generation by 15% within six months.

DIABETES PREDICTION AND ANALYSIS November 2024

Domain: Machine Learning | **Technologies:** R, KNN, Naive Bayes, Decision Tree, Linear Regression

- Analyzed and evaluated machine learning models to predict diabetes outcomes based on patient features.
- Achieved an accuracy of up to 87% using KNN, Naive Bayes, Decision Tree, and Linear Regression.
- Pre-processed data by normalizing features and handling missing values to improve model performance.
- Visualized results with ggplot2, including model comparisons, outcome distributions, and feature importance.
- Gained practical experience in classification, model evaluation, and data visualization.

RESTAURANT WEBSITE July 2022

Domain: Web Application | **Technologies:** HTML, CSS, JavaScript

- Designed and introduced a responsive web-based restaurant management system to streamline customer engagement and online ordering.
- Implemented interactive features to showcase menu options, accept reservations, and enhance user experience.
- Gained hands-on experience in front-end development, crafting user-friendly and visually appealing interfaces using HTML, CSS, and JavaScript.
- Enhanced business visibility and customer reach, contributing to increased online reservations and engagement.

CERTIFICATIONS / CERTIFICATES

- Cloud Computing (NPTEL) November 2024
- Supervised Machine Learning: Regression and Classification(Coursera) November 2024
- ChatGPT Advanced Data Analysis(Coursera) April 2024
- ChatGPT for Beginners: Save time with Microsoft Excel(Coursera) April 2024
- R Programming | Johns Hopkins University(Coursera) April 2024

EDUCATION

Lovely Professional University Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.29** Since August 2022
S.S. High School , Basantpur Bihar, India
Intermediate -: **percentage:77%** August 2019
S.S. High School , Basantpur Bihar, India
Matriculation -: **Percentage: 76%** March 2017