Raj Mishra

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SKILLS SUMMARY

- **Languages**: R Programming, SQL, Python, Java
- **Tools/Platforms**: R Studio, Tableau, MS Excel, MS Powerpoint, MySQL, VS Code, BlueJ, GitHub
- **Technical Skills**: Exploratory Data Analysis, Data Cleaning, Data Visualization
- **Soft Skills**: Leadership, Problem-Solving Skills, Team Player, Project Management, Adaptability, Strategic Planning, Data-Driven Decision Making

INTERNSHIPS

- **Otaku Threads** | Satna   Nov'23 – Jan'24
Data Analyst Intern
  - Implemented data analysis techniques to extract insights and support data-driven decision-making.
  - Developed **visualization** and **dashboard** creation using Excel, SQL, and R; conducted **Exploratory Data Analysis (EDA)**; collaborated to improve data collection and reporting.
  - Optimized automation to streamline workflows and enhance data integrity for improved efficiency and accuracy.

PROJECTS

- **Diabetes Risk Prediction: A Machine Learning Approach**   Nov'24
  - Implemented multiple **machine learning** algorithms including K-Nearest Neighbours (KNN), Naive Bayes , Decision Trees, and Neural Networks to analyse a dataset and predict outcomes.
  - Optimized model performance by applying techniques like **cross-validation and parameter tuning** for each algorithm, achieving improved accuracy and robustness.
  - Visualized model performance using **confusion matrices and ROC curves** in R to compare algorithm results and select the best-performing model for the dataset.
  - **Tech:** R, KNN, Naive Bayes, Decision Trees, Neural Networks, Cross-Validation, ROC Curves.

- **Spam SMS Classification**   Nov'24
  - Developed a spam SMS classification model using **text mining techniques** like cleaning, stemming, and case conversion.
  - Extracted features using **Document-Term Matrix (DTM)** and visualized frequent terms with **word clouds**.
  - Implemented **machine learning models** on training and testing sets for effective spam detection.
  - **Tech :** R, Text Mining, Document-Term Matrix, SnowballC, WordCloud, Machine Learning.

- **Courier Management System**   June'24
  - Developed a **Courier Management System** enabling users to add, modify, delete, and display shipment records using a linked list data structure.
  - Implemented secure **user authentication** to prevent unauthorized access and ensure data privacy in the system.
  - **Optimized memory management** by dynamically allocating and freeing memory for shipment records, ensuring efficient resource usage.
  - **Tech:** C++, Linked List, Dynamic Memory Allocation, I/O Streams.

CERTIFICATIONS

- Cloud Computing | NPTEL   Oct'24
- Logic Building, Programming and Data Structures | LPU   Aug'24
- ChatGPT for Beginners: Save time with Microsoft Excel | Coursera   July'24
- ChatGPT Advanced Data Analysis | Coursera   July'24
- ChatGPT for Beginners: Save time with Microsoft Excel Skills for Business | Coursera   May'24

ACHIEVEMENT

- Solved 900+ DSA Problems across different platforms like LeetCode/ Codeforces.
- Secured Rank 215 in the LeetCode Biweekly Competitive Programming Challenge, demonstrating strong problem-solving skills, algorithmic proficiency, and coding efficiency in a global competition.

EDUCATION

- **Lovely Professional University**   Phagwara, Punjab
B.Tech- Computer Science and Engineering; **CGPA: 7.2**   Pursuing
- **Blooms academy School**   Satna, Madhya Pradesh
Intermediate; **Percentage: 62%**   March'21 – March'22
- **Christukula Mission Higher Secondary School**   Satna, Madhya Pradesh
Matriculation; **Percentage: 70%**   March'19 – March'20