Rishi Raj

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SKILLS

- **Languages**: Python, C++, Java
- **Frameworks**: HTML and CSS
- **Tools/Platforms**: MySQL
- **Soft Skills**: Problem-Solving, Quick Learner, Time management

INTERNSHIP

Machine Learning Intern   Oct 2024 - Nov 2025
Bharat Intern

Created predictive models for **House Price Prediction** using **Python**, **Scikit-learn**, **Pandas**, **NumPy**, **MatPlotlib**, and **Seaborn**. Improved data preprocessing, feature engineering, and model evaluation, boosting model accuracy. Used **Jupyter** notebook to visualize and analyze real estate trends efficiently. Implemented various regression models, including **Linear Regression**, **Decision Trees**, and **Random Forest**, to compare and optimize performance.

Summer Intern   June 2024 - July 2024
Lovely Professional University Summer Intern

Developed and implemented a simplified **Binary Search Tree (BST)** with key functionalities such as **insertion, deletion**, and **searching** of nodes. The project also includes **inorder, preorder** and **postorder** traversals for displaying the tree structure. Each operation ensures the tree maintains its **sorted properties**. The implementation showcases efficient data organization and retrieval within a **tree-based structure.**

PROJECTS

- **Bank Account Management System | C++:**
  Developed an interface using C++ where users can create and manage their bank accounts.
  The project enables users to check balances, deposit, and withdraw funds, simulating real-world banking transactions. Independently completed, demonstrating self-reliance and proficiency in object-oriented programming. Enhanced understanding of interactive user input handling.

- **Authentic-Cuisine Restaurant Website** | *HTML, CSS*:

  Implemented a responsive restaurant website using HTML and CSS to showcase menu items and weekly special offers. Designed an intuitive UI to enhance user experience and improve customer engagement. Displayed real-time information on available dishes and promotional offers. Implemented a visually appealing layout with smooth navigation to ensure a seamless browsing experience.

CERTIFICATES

- Data Structures and Algorithm & C++ by Cipher Schools   July 2024
- Cloud Computing by NPTEL   Nov 2024

ACHIEVEMENTS

- **Scored 65% on NPTEL**:   January 2024
  Attained an Intermediate level certificate for Cloud Computing Test on NPTEL.

- **Contributed to the development of the community**:
  Recognized by NGO for outstanding to community development.

EDUCATION

Lovely Professional University   Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 6.00   *Since August 2022*

Ashok Inter School   Bihar, India
Intermediate; Percentage: 81.4%   *April 2018 - March 2020*

Ashok Inter School   Telangana, India
Matriculation; Percentage: 83%   *April 2017 - March 2018*