

Raj Singh

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SKILLS

Languages: C++, Java, C, Python.
Frameworks: NumPy, Pandas, Matplotlib, Seaborn.
Tools/Platforms: Excel, Power BI, GitHub.
Soft Skills: Leadership, Teamwork and Collaboration, Adaptability.

PROJECTS

Mobile Price Analysis | [GitHub](#) Apr'25-May'25

- Preprocessed the mobile price dataset using scikit-learn, handled all missing values, and normalized features, which improved model accuracy and reduced prediction errors.
- Applied machine learning algorithms to predict mobile prices based on factors such as RAM, storage, battery, camera, and processor, achieving strong and reliable prediction performance.
- Developed a user-friendly web-based price prediction application using Flask and HTML.
Tech – Python, Pandas, NumPy, Scikit-learn.

IRCTC Travel Data Analysis Dashboard | [GitHub](#) Mar' 25-Apr' 25

- Analyzed IRCTC booking data to identify passenger trends, peak travel timings, popular routes, and revenue patterns, helping improve operational and business decision-making.
- Cleaned and transformed a large dataset (13,000+ records) to create interactive visual dashboards that highlight booking types, class preferences, cancellations, and travel demand.
- Derived actionable insights to support improved resource planning and strategic decision-making.
Tech – Microsoft Excel, Pivot Tables, Pivot Charts, Data Cleaning.

Arithmetic Expression Compiler | [GitHub](#) Nov' 25-Dec' 25

- Developed a web-based arithmetic expression compiler that evaluates mathematical expressions in real time using JavaScript.
- Implemented a clean and responsive UI with HTML and CSS, allowing users to enter expressions and view instant results.
- Enhanced calculation accuracy and user experience through efficient parsing and robust error handling
Tech – HTML, CSS, JavaScript, UI/UX.

TRAINING

Data Structures And Algorithms [LPU](#) Jun' 25– Jul' 25

- Learned core Data Structures and Algorithms concepts with practical coding implementations.
- Solved real-world programming problems to improve logic building and optimization skills.
- Secured grade 'A' for outstanding performance in the summer training program.

CERTIFICATES

Privacy and Security in Online Social Media | [NPTEL](#) Nov' 25

Personality Development-Introductory Course | [INFOSYS](#) Aug' 25

Legacy Responsive Web Design V8 | [Free Code Camp](#) Oct' 23

ACHIEVEMENTS

- Secured 3rd place in Code-A-Haunt Hckathon** Jan' 24
- Solved 200+ Problems across LeetCode** Jan' 26

EDUCATION

Lovely Professional University Phagwara, Punjab
Bachelor of Technology Aug' 23 – Present
Computer Science and Engineering; CGPA: 7.1

S.P Inter College Azamgarh, Uttar Pradesh
Intermediate Mar' 22– May' 23
Percentage: 78%

Cross Belly International School Azamgarh, Uttar Pradesh
Matriculation Mar' 19 – May' 20
Percentage: 81%