

Riddhima Rai

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SKILLS

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|--------------------------------|---|
| Language: | Python, SQL, Java, C/C++ |
| Machine Learning: | Scikit-learn (Regression, Classification, Clustering) |
| Data Analysis: | Pandas, NumPy, Matplotlib, Seaborn |
| BI & Visualization: | Power BI, Tableau, Excel, Google Sheets |
| Web & Backend: | Django, DRF, FastAPI, HTML, CSS, JavaScript (Basic) |
| Databases: | MySQL, Database Design, SQL Querying |
| Tools: | Git, GitHub, Maven, Jenkins, CI/CD, Render |
| Core Concepts: | DSA, OOP, Software Engineering Fundamentals |

PROJECTS

Predictive Analytics Studio (Ongoing) | *Full-Stack ML System, Model Evaluation* Feb`26

GitHub Link – <https://github.com/riddhhimaaa/Predictive-analytics-studio>

- Built full-stack ML platform using Django for regression, classification, clustering.
- Enabled real-time parameter tuning, model comparison, and visualization.
- Integrated preprocessing, training, evaluation, and cross-validation pipeline.

Password Strength Analysis Security Risk Scoring System | *Feature Engineering, Predictive Modeling* Jan`26

GitHub Link - <https://github.com/riddhhimaaa/Password-Strength-Analysis-Security-Risk-Scoring-System>

- Built Java-based password strength analyzer using feature engineering (length, entropy, character types).
- Performed EDA and trained Decision Tree model for password classification.
- Combined rule-based scoring with ML prediction; integrated Git-based workflow.

Los Angeles Crime Intelligence Dashboard (2020–2025) | *Power BI, Data Visualization, DAX Analysis* Dec`25

GitHub Link - <https://github.com/riddhhimaaa/LA-Crime-Intelligence-Dashboard>

- Designed Power BI dashboard using star schema, Power Query ETL, and DAX
- Analyzed crime trends, victim demographics, and geospatial patterns.
- Built interactive dashboards for insights on case outcomes and time-based trends.

Training

CSE Pathshala | (EdTech Company) Jun`25 – Jul`25

C++ Programming: OOPs and DSA – Summer Training

- Built console-based applications: Student Record System and Browser History Manager
- Applied OOP concepts, linked structures, memory handling, and input validation
- Strengthened problem-solving and core C++ fundamentals through hands-on development.

Certificates

Microsoft Excel Introduction – Data analysis, and visualization techniques. | [Simplilearn](#) Aug`25

Oracle Cloud Infrastructure 2025 Data Science Professional. | [Oracle University](#) Aug`25

Master Generative AI & Tools – Advanced GenAI frameworks, including ChatGPT integrations. | [Udemy](#) Aug`25

Deloitte Data Science Job Simulation – Hands-on experience in business analytics. | [Deloitte](#) Jul`25

Education

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|---|----------------------|
| Lovely Professional University | Punjab, India |
| Bachelor of Technology | Aug`23 – Present |
| Computer Science & Engineering (CSE) CGPA: 6.82 | |
| Seth M.R. Jaipuria School | Uttar Pradesh, India |
| Intermediate (Class 12) | Apr`22 – Mar`23 |
| Percentage: 70.6% | |
| Seth M.R. Jaipuria School | Uttar Pradesh, India |
| Matriculation (Class 10) | Apr`20 – Mar`21 |
| Percentage: 85% | |