

Akshat Agrawal

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SKILLS

- **Languages:** C++, C, Java, Python
- **Frontend:** HTML, CSS, Flask, Streamlit, FastAPI
- **Tools/Platforms:** MySQL, PowerBI, Excel, TensorFlow, Git/GitHub, VS Code
- **Soft Skills:** Problem-Solving, Project Management, Analytical Thinking

PROJECTS

- **Interactive Portfolio Website** October 2025
Technologies: HTML, CSS, JavaScript, GitHub Pages, Google Analytics
 - Created a personal portfolio website to present projects, skills, and achievements in Data Science and Machine Learning.
 - Structured a responsive and modern UI with organized project sections and integrated Google Analytics for real-time visitor insights.
 - Deployed the website using GitHub Pages and configured a custom domain to establish a professional online presence.
- **OutcomeX – IPL Winning Prediction** July 2025
Technologies: Python, pandas, NumPy, Matplotlib, scikit-learn, Flask
 - Engineered an IPL match prediction system by preprocessing data, performing feature extraction, and training machine learning models on historical datasets.
 - Derived actionable insights through exploratory data analysis and visualized trends using Matplotlib to enhance model accuracy.
 - Integrated the predictive model into a Flask-based web application to deliver real-time winning probability predictions.
- **BytePrice – Laptop Price Predictor** April 2025
Technologies: Python, pandas, NumPy, Matplotlib, scikit-learn, Flask
 - Developed an end-to-end machine learning pipeline to predict laptop prices using features such as RAM, processor, storage, GPU, and display specifications.
 - Executed data preprocessing, feature engineering, exploratory data analysis, and trained regression models to achieve accurate market price estimation.
 - Delivered a Flask-based web application enabling real-time price predictions, supported by insightful visualizations using Matplotlib.

TRAINING

- **Android Developer Pro: Hands-On Projects & Play Store Launch** | [Certificate](#) June 2025 – July 2025
 - Developed FitMetrica, a fitness tracking app featuring structured workout modules, progress tracking, and daily activity logs with modern UI design.
 - Implemented navigation architecture, local data storage (SharedPreferences), and interactive user components using Kotlin and Android Studio.
 - Strengthened debugging, logical reasoning, and contest-style coding under constraints.

CERTIFICATES

- Machine Learning Specialization | Coursera | [Certificate](#) November 2025
- Data Visualization with Python | Coursera | [Certificate](#) June 2025
- Privacy and Security in Online Social Media | NPTEL | [Certificate](#) April 2025

ACHIEVEMENTS

- **Competitive Programming & Data Structures**
 - Engineered optimized solutions for **100+ Data Structures & Algorithms (DSA) problems** on **LeetCode** and **GeeksforGeeks**, emphasizing time complexity optimization, space efficiency, and scalable algorithm design.
 - Earned **HackerRank Problem Solving (Intermediate)** Certificate by clearing a **skill-based assessment** covering advanced data structures, algorithms, and logical reasoning.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology in Computer Science and Engineering | CGPA: 7.44 Aug 2023 – Present
- **Maria Assumpta Senior Secondary School** Kashipur, Uttarakhand
Intermediate; Percentage: 77 April 2022 - March 2023
- **Maria Assumpta Senior Secondary School** Kashipur, Uttarakhand
Matriculation; Percentage: 88 April 2020 - March 2021