

Aditya Sharma

India | +91-8902219115 | adityasharma.ardra@gmail.com
[LinkedIn](#) | [GitHub](#) | [CodeForces](#) | [LeetCode](#)

EDUCATION

Lovely Professional University

Bachelor of Technology, Computer Science, **CGPA: 8.52**

Phagwara, Punjab

Aug. 2023 – Expected 2027

PROJECTS

CBSE Board Result Visualiser for School | Python

Oct 2022

- Utilized Python and Matplotlib Library to visualize historical board results (past 2-3 years)
- Cleaned and preprocessed raw data to ensure data accuracy and consistency
- Created insightful visualizations, including bar charts, line plots, and pie charts, to highlight trends and patterns.

Transparent Price Discovery for Agri-Commodities | Python

Jan 2025 - Apr 2025

- Preprocessed over 270,000 rows of mandi-level agri-commodity data from Agmarknet using Python-based scraping and cleaning-pipelines.
- Engineered 15+ time-series features (lags, rolling stats, log transforms) to enhance model accuracy and capture seasonality.
- Achieved R^2 score of 0.9997 with XGBoost for price prediction, outperforming LSTM and SARIMA on all key metrics.

UFC Elo Monitor | Python (Jupyter, Pandas, NumPy, Matplotlib)

Feb 2025 - Mar 2025

- Engineered an Elo-based ranking system for 2,500+ UFC fighters, dynamically tracking performance trends.
- Processed 10,000+ fight records to analyze historical data and predict match outcomes with improved accuracy.

Real-Time Process Monitoring Dashboard | Python

Mar 2025

- Developed a Python based task manager clone with a graphical dashboard for real-time process monitoring.
- Displays CPU usage, memory consumption, and process states to help administrators manage system performance.
- Implements efficient process handling techniques to enable smooth execution and rapid issue identification.

EXPERIENCE

Electronic Arts Software Engineering Virtual Experience Program on Forage

Jul 2024

Online

- Proposed a new feature for the Sims 4 and wrote a Feature Proposal describing it to other stakeholders.
- Built a class diagram and created a header file in C++ with class definitions for each object.
- Patched a bugfix and optimized the Sims 4 codebase by implementing an improved data structure.

SKILLS

Technical Languages: Python, C, C++, Java

Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn, Flask, BeautifulSoup4

Developer Tools: Git, Jupyter Notebook

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Software Engineering, Operating Systems

Languages: Fluent in English and Hindi

ADDITIONAL INFORMATION

Research: Co-authoring a research paper titled "*Transparent Price Discovery for Agri-Commodities*" – currently under submission.

Patent: Filed a patent on an AI-based holographic UAV system for rapid disaster response (2025).