Aishwarya Verma

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LeetCode: aishwaryaverma706 (Rank 1251) | CodeChef: gam_joke_23 (Rank 1037)

Summary

Software-focused Computer Science undergraduate specializing in AI/ML with strong foundations in data structures, algorithms, and object-oriented programming.Solved 150+ DSA problems across core topics and ranked globally on LeetCode and CodeChef. Experienced in building end-to-end applications with emphasis on clean code, performance optimization, and scalable design.

Education

Vellore Institute of Technology, Bhopal — CGPA: 8.79
B.Tech in Computer Science (AI & ML) — *Sep 2023 – Present*

Ryan International School, Noida — 87%
Class 12 (CBSE) — *2022 – 2023*

Ryan International School, Noida — 90.6%
Class 10 (CBSE) — *2020 – 2021*

Technical Skills

Programming Languages: C++, Python, SQL

Core Computer Science: Data Structures, Algorithms, Object-Oriented Programming, Time and Space Complexity

Machine Learning & Data Analysis: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn

Tools & Frameworks: Git, GitHub, Streamlit, Jupyter Notebook

Problem Solving & Competitive Programming

- Solved 150+ Data Structures and Algorithms problems on LeetCode and have done contest on CodeChef.
- Strong command over arrays, strings, linked lists, stacks, queues, trees, graphs, dynamic programming, and greedy algorithms
- Achieved Global Rank **1251** in LeetCode contests and **1037** in CodeChef contests
- Applied problem-solving techniques such as two pointers, sliding window, recursion, backtracking, and hash maps
- Focused on writing optimized solutions using time and space complexity analysis and handling edge cases

Projects

Iris Species Classifier
Machine Learning Web Application — Python, Scikit-learn, Streamlit
- Built a Logistic Regression model achieving **97% accuracy** on the Iris dataset after feature scaling and preprocessing
- Designed an interactive Streamlit web application enabling real-time species prediction
- Implemented a data preprocessing pipeline using StandardScaler to improve model performance

Sentiment Analysis Web App
NLP Application — Python, Flask, TextBlob, spaCy
- Developed a full-stack NLP web application for sentiment analysis and named entity recognition
- Implemented sentiment classification and NER using TextBlob and spaCy
- Designed a responsive user interface using Jinja2 templates

Certifications

- Python for Data Science & Machine Learning — Udemy (Jose Portilla)
- Summer Analytics — IIT Guwahati