

Anuj Lodh

anuj81269152@gmail.com | +91 639 864 15 37 | linkedin.com/in/anuj-lodh

Education

Graphic Era Hill University, B-Tech in Computer Science and Engineering

July 2022 – July 2026

- CGPA: 7.85/10

SGRR Patel Nagar, Dehradun

July 2021

- Central Board Of Secondary Education (Science)– Percentage 92%

Relevant Coursework

- Data Structure and Algorithms
- Object Oriented Programming
- Database Management

Programming Achievements

Leetcode Profile: leetcode.com/u/Anuj_lodh/

Solved 200+ problems on: Leetcode, CodeChef, Codeforces

Projects

House Price Prediction Using Decision Tree – Python, scikit-learn, Pandas, Seaborn, Matplotlib

- Developed a Decision Tree Regression model to estimate house prices using a dataset of 10,000 entries with features such as area, room count, and construction quality
- Executed full-cycle data preparation: cleaning, EDA, correlation analysis, and feature engineering to improve model accuracy and interpretability
- Achieved robust model performance with a Mean Squared Error (MSE) of 27,784.79 and R^2 score of 0.79 on the validation set
- Visualized feature importances and price distribution to gain insights into key influencing factors
- Generated predictions for test data and exported results to CSV for potential deployment or submission

Virtual Memory Simulator – HTML, CSS, JavaScript, Python, Flask, Flask-CORS

- Designed and developed an interactive simulator for virtual memory management, implementing core page replacement algorithms: FIFO, LRU, Optimal, and Clock
- Built a responsive and intuitive frontend using HTML, CSS, and JavaScript, integrated with a Flask backend via RESTful APIs and CORS support
- Visualized memory utilization and algorithm behavior through dynamic graphs to enhance conceptual understanding
- Enabled real-time comparison of algorithm performance using graphical dashboards that display page faults and memory efficiency metrics
- Served as an educational tool for understanding Operating System concepts, supporting both simulation and analysis

Technical Skills

Languages: C/C++, Python

Web Technologies: HTML, CSS, JavaScript, React

Database: MySQL, MongoDB

Developer Tools: VS Code, Py-Charm, Eclipse, Git

Platforms: AWS, Azure, Google Cloud