Ayushi Uniyal

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Education

Graphic Era Hill University, Dehradun   **Sep 2022 – Present**
B.Tech. in Computer Science   *CGPA: 8.8/10.0*

Kendriya Vidyalaya IIP, Dehradun   **2022**
12th   *Percentage: 90%*

Kendriya Vidyalaya IIP, Dehradun   **2020**
10th   *Percentage: 92%*

Experience

IBM SkillBuild Internship   **June 2025 – July 2025**
AI Intern
- Developed and deployed an AI-based employee salary prediction web app using Flask and LightGBM on a 141K+ salary records(2020-2025).
- Optimized the machine learning pipeline by tuning hyperparameters using Optuna.
- Completed IBM-certified coursework that covers Artificial Intelligence, Generative AI and Prompt Engineering, Natural Language Processing (NLP), and Machine learning.

Projects

Mini C compiler | *React.js*   **May 2025 – July 2025**
- Developed a web-based tool to do lexical, syntax, and semantic analysis of C programs with code optimization and 3 address code generation using React.js.
- It also does syntax highlighting of code along with lexical analysis and provides statistical data about tokens used in the first phase i.e., lexical analysis.

Memory management Simulator | *React.js*   **March 2025-June 2025**
- Developed a web-based memory management simulator application using react.
- It implements first fit, best fit and worst fit algorithms.
- It shows statistical and comparative analysis for the 3 algorithms side by side by allowing you to create memory block sizes of your own choice.

API Powered Movie Recommender | *Python, Scikit-Learn, API*   **November 2024**
- Designed a content-based movie recommendation system using cosine similarity to provide accurate recommendations.
- Integrated tmdb API to dynamically fetch movie data and incorporated user-input data into the dataset for continuous learning and adaptability.

Mobile Price Prediction | *Python, Scikit-Learn*   **July 2024-Oct 2024**
- A research project to develop a machine learning model to predict mobile price categories using 5 different algorithms.
- Logistic Regression performed the best providing an accuracy of **95.5%**.

Technical Skills

Languages: Python, C, C++, Java, SQL, HTML, CSS, JavaScript

Tools: Git, GitHub, Visual Studio Code, Jupyter Notebook, Google Colab

Technologies and Framework: Machine Learning, React.js, Scikit-learn, Numpy, Pandas

CS Fundamentals: Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Computer Networks, Complexity Analysis

Database Systems: Relational Databases (MySQL)

Scholastic Achievements

- **GSSoc '25 -** Selected as a contributor for GirlScript Summer of Code 2025, a national-level open-source program.
- **PwC Launchpad -** Selected for PwC Launchpad - Data Analytics and AI Program (18 weeks).
- **Coding Train -** Secured 1st rank in a coding competition in 1st year B.Tech and received a cash prize of INR 2000.