



MEDHA KASHYAP

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[GitHub](#) | [LinkedIn](#)



Education

Indraprastha Institute of Information Technology

B.Tech CSE
2022 – 2026

CGPA: 6.93
(till 3rd Semester)

Ryan International School, Rohini, Delhi

Class 12th CBSE
2021 – 2022

Percentage: 89

Ryan International School, Rohini, Delhi

Class 10th CBSE
2019 – 2020

Percentage: 90.4

Skills

Expertise Area OOPs, Data Structures and Algorithms, FrontEnd Development

Programming Languages Java, C, C++, Python

Tools and Technologies HTML, CSS, GitHub, Shell/Bash Script, Figma, JavaFX.
(Basic Efficiency in JavaScript, Swing, AWT, Sklearn, Matplotlib, NumPy, Pandas)

Technical Electives Introduction to Programming in Python, Digital Circuits, Data Structures and Algorithms, Basic Electronics, Computer Organisation, Advanced Programming, Operating Systems, Discrete Mathematics, Human-Computer Interaction.

Projects

Car Price Predictor | [GitHub](#)

December 2023

- Tech Stack: Python, Scikit-Learn, Matplotlib, NumPy, Pandas.
- Developed a car price predictor clone using **Machine Learning** in Python. The dataset is loaded using Python libraries such as **Pandas NumPy** and visualised with **Matplotlib, Seaborn**, and **Scikit-Learn** for machine learning.
- Demonstrated effective data processing, model training (**Linear and Lasso Regression**), and model evaluation using R-squared error. The results are visualised through scatter plots, providing insights into the predictive accuracy of these models.

Meaning Master: Dictionary | [GitHub](#)

October 2023

- Tech Stack: HTML, CSS, JavaScript, API

- A user-friendly web-based dictionary application built with **HTML**, **CSS**, and **JavaScript**. It allows users to input a word and uses the **Dictionary API** to fetch and display word definitions, parts of speech, phonetics, and examples. It showcases proficiency in **front-end technologies** and **API integration** for dynamic user experience.

Stick Hero Game | [GitHub](#)

Nov-Dec 2023

Team Size: 2

- Guide: [Dr. Raghava Mutharaju](#)
- Tech Stack: Java, JavaFX, OOPs
- Developed an interactive animated replica of the game 'StickHero' by Ketchapp. Used **OOPs** concepts, employing **encapsulation** for modular design, **inheritance** for code reuse and **polymorphism** for dynamic behaviour. Leveraged abstraction to create a user-friendly interface. Streamlined using **UML** and **relation diagrams**.

Simple Unix Shell | [GitHub](#)

September 2023

Team Size: 2

- Guide: [Dr. Vivek Kumar](#)
- Tech Stack: C, Unix
- Implemented a shell that waits for user input, executes commands provided in the use input, and then repeats until terminated using ctrl-c. Also, I implemented '**history**' command and **termination details** display. Bonus features include supporting **background processes** and executing commands from a **Shell Script**.

Awards and Achievements

- Among in the **Top 3** on **CodingNinjas Weekly Leaderboard (1-7 Jan) Gold League**.
- Among the **Top 4** on the **CodingNinjas College Leaderboard**.
- **110+** solved questions on [LeetCode](#).
- **7300+** Exps on [CodingNinjas](#).

Positions of Responsibility

- Member, Design Team, Women in Tech, IIITD
- Organising Team Member, Astra Sports Fest, IIITD

April 2023-Present

March 2023

Areas of Interest and Hobbies

- Open Source Development
- FrontEnd Development
- Game Development
- Machine Learning
- Designing
- Singing

Declaration: The above information is correct to the best of my knowledge.

Medha Kashyap

Date: January 26, 2024