



ISHITA

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DOB: December 10, 2003

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 [Github](#)
[Portfolio](#)



Education

Indraprastha Institute of Information Technology, Delhi

B.Tech (Computer Science and Applied Mathematics)

2022 - 2026

CGPA: 8.65

(Till 4th semester)

Dhruva Public School, Delhi

CBSE, Standard 12

2021-2022

Percentage : 98%

Seth Anandram Jaipuria School, Ghaziabad

CBSE, Standard 10

2019 - 2020

Percentage : 98.4%

Skills

Expertise Area: Data Structures and Algorithms, Object Oriented Programming, Algorithm Design and Analysis,

Programming Languages: Python, Java, HTML, CSS, C, JavaScript

Tools and Technologies: Node.js, React.js, Express.js, MySQL, MongoDB, Matplotlib, Git, GitHub, JavaFX, Scikit Learn, LibGDX, Google Collab, Scene Builder, Maven, Shells(Bash), IntelliJ IDEA, VS Code, Overleaf, Canva, Figma

Technical Electives: Data Structures and Algorithms, Advanced Programming, Algorithm Design and Analysis, Computer Organization, Operating Systems, Database Management Systems, Introduction to Programming, Theory of Computation

Work Experience

Centre for Railway Information Systems (CRIS)

(May, 24 - June, 24)

Advisors: Mr. Ashish Sharma and Mr. Kapil Kumar

(Machine Learning and Artificial Intelligence Internship)

- Analyzed **locomotive engine drivers' braking pattern** by integrating **real-time train running, speed restriction, and maximum permissible speed** data of different sections of **Indian Railways** to enhance operational efficiency and safety.
- Utilized **scikit-learn** to train and test the **logistic regression model** on a dataset of over 10,000 data points, achieving an accuracy rate of 92%. Created detailed visualizations using **Matplotlib** to illustrate model predictions and real-world data insights, leading to improvement in decision-making processes.

Projects

SereneStay ([link](#))

Individual

(May, 24 - June, 24)

- **Tech Stack:** HTML, CSS, JavaScript, Node.js, React.js, MongoDB, Mongoose, Express.js
- **Full Stack Development** of 'Room Booking Application' encompassing **software development** of both frontend (**React**) and backend (**MongoDB**) components.
- **Facilitates** Admins with **CRUD operation** and offers users a **smooth experience** for browsing hotels and booking rooms.
- **Secured** admin access using **JWT authentication** and **cookies** and enhanced user experience with a **Dark Mode** option for the admin page.

ShopEase (link) <ul style="list-style-type: none"> • Tech Stack: MySQL, Python, Tkinter • Developed an Online Retail Store with MySQL for database management and a Tkinter-based GUI. • Implemented database Triggers to handle 5+ non-conflicting and 2 conflicting transactions. • Designed ER diagram and corresponding Relational Model. 	Team Size-4 (Mar, 24 - Apr, 24)
Stick Hero Game (link) <ul style="list-style-type: none"> • Tech Stack: Java, JavaFX, Scene Builder. • Developed a PC version of the popular game ‘Stick Hero’ by using OOPS. • Created UML Diagram as part of the ideation process and used Design Patterns. • Implemented multithreading for platform creation. 	Team Size-2 (Nov, 23 - Dec, 23)
Simple Unix Shell (link) <ul style="list-style-type: none"> • Tech Stack: C. • Implementation of simple shell from scratch in C. • Implemented a shell that waits for user input, executes commands provided in the user input until terminated using ctrl-c. • Engineered and executed background processes and command sequences via Shell Script. 	Team Size-2 (Sept, 23)

Positions of Responsibility

Placement Cell of IIITD, Member	(Present)
Video Content Hackathon, Organising Team	(Jan,24)
Tech Talk in ESYA’23 (Tech Fest), Organising Team	(Nov, 23 - Jan, 24)
Badminton Team, Core Team Member	(Present)
Sports Council, PR Team Member	(Dec, 22–Nov, 23)
Madtoes (Dance Society), Core Team Member	(Jan, 22–July, 23)

Awards and Achievements

- Ranked amongst the **top 10%** of the **batch** of 2026 at IIITD.
- Highest graded in the entire batch for **Stick Hero Project (127.5/120)** and **Simple Unix Shell Project (9.7/8)**.
- Secured **2nd Position** at Sports Fest of **IIT Kanpur**, 2023, **IIT Delhi**, 2024, and **DTU**, 2024.
- Secured **AIR - 15** in the Astronomy Olympiad at the **National Level** in 2020.
- Secured **AIR-255** in the **IISER** Aptitude Test 2022, competing among **32,000+** participants, and achieved **AIR-355** in **NEST** 2022 among **22,000+** participants.

Interests and Hobbies

- Playing Badminton
- Frontend Development
- Meeting new people and forming new connections

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

ISHITA

Date: June 19, 2024