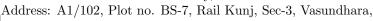


Roll no. 2022408 | ritika@iiitd.ac.in Alternate Email: ritithakur1304@gmail.com

DOB: 09 May, 2004



Ghaziabad, U.P., 201012

Github. Personal Portfolio



CGPA: 8.1

Education

Indraprastha Institute of Information Technology, Delhi

(Till 4th semester) B.Tech (CSAI)

2022 - 2026

White Leaf Public School, Delhi Percentage: 93.4%

CBSE, Standard 12

2020-2022

St. Francis School, Ghaziabad Percentage: 95.6%

CBSE, Standard 10

2019 - 2020

Skills

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

Analysis

Programming

Python, Java, HTML, CSS, C++, C, JavaScript, EJS

Languages:

Tools and Git, GitHub, Github Actions, IntelliJ IDEA, PyCharm, PyTorch, VSCode, Overleaf, Technologies: JavaFX, libGDX, Google Collab, OpenCV, MySQL, MongoDB, TensorFlow, Scene

Builder, Maven, Shells(Bash)

Technical Electives: Data Structures and Algorithms, Advanced Programming, Algorithm Design and Anal-

> ysis, Computer Organization, Operating Systems, Database Management Systems, Introduction to Intelligent Systems, Introduction to Programming, Statistical Machine

Learning, Convex Optimization

Projects

SignXpert (link)

Team Size-3 Women Engineers Project by TalentSprint, supported by Google (Dec, 23)

- Created an American Sign Language Translator that translates sign language into text in real time using hand gesture recognition.
- Applied OpenCV and used TensorFLow to train the model on self-created datasets.
- (Python, OpenCV, TensorFlow, Keras, HTML, CSS, JavaScript, Flask)

BookHaven(link) Team Size-3

- (Mar, 24 Apr, 24) • Full Stack Development of a 'bookstore' by maintaining the database using MySQL.
- Handled conflicting and non-conflicting transactions.
- (MySQL, JavaScript, EJS, Node.js, CSS)

Stock Predictor and Sentiment Analysis on r/WallStreetBets(link)

Team Size-2 (Mar, 24 - Apr, 23)

• Created a stock market predictor using LSTM.

- Performed sentiment analysis on the Reddit r/WallStreetBets using VADER.
- (Python, LSTM, VADER), (Dataset used: Reddit-WallStreetBets-posts, Yahoo Finance)

Stick Hero Game(link)

Individual

• Implemented the popular game 'Stick Hero' by using **OOPS**.

(Nov, 23 - Dec, 23)

- Streamlined the development process using UML and relation diagram
- (Java, JavaFX , LibGDX, JUnit Testing, Scene Builder)

Assembler-Simulator(link)

Team Size-4 (May, 23)

• Designed and Implemented an assembler and simulator.

- Utilised a hypothetical **instruction set architecture**, and visualised **memory access** location over time.
- (Python, shell)

Experiences

Mentor for **Teach Like a Friend** Initiative, to teach Science , Maths to underprivileged (Aug,23 – Dec,23) students

Member of the Placement Cell of IIITD (Present)

Part of the Organizing Team of ESYA (**Tech Fest**) [PR Team, Content Team] (Sep,23)

Member of Meraki (Art Club of IIITD) (Present)

Member of Women In Tech (WIT) (Present)

Awards and Achievements

- Selected as a **WE Scholar'23**, Women Engineers Program offered by TalentSprint, supported by Google, among the top **1%** applicants from a pool of over 22,000 candidates.
- Secured a spot in the final round of the Institution of Engineering and Technology India Scholarship Award 2023, amidst a pool of 43,000+, India Scholarship Award 2023.
- Received the **Reliance Foundation Scholarship** for undergraduates, earned amongst a competitive pool of 40,000 candidates.
- Selected for competing in the final round of Lady Ada Programming Contest by ACM Student Chapter, India.

Interests and Hobbies

- Making art (Painting, Pen Art, Handmade gifts)
- Meeting new people and forming new connections
- Reading novels and writing poetry
- Listening to and discovering new music

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

Ritika Thakur Date: June 3, 2024