Bhavya Narnoli

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DOB: January 10, 2004

Address: B-7-1 ,MS Flats,R.K. Puram Sector 13,New Delhi-110066

Education

Indraprastha Institute of Information Technology
B.Tech CSD Sophomore
2021 – 2025

CGPA: **7.27**
(till 3rd semester)

KV RK Puram Sector-2, New Delhi
CBSE, Science
2019 – 2021

Percentage: **96.8%**

KV RK Puram Sector-2, New Delhi
CBSE Board
2017 – 2019

Percentage: **91.8%**

Skills

Expertise Area	Data Structures and Algorithms, Object Oriented Programming, Web Development
Programming Languages	Java (15,000+ lines), C (10,000+ lines), Python (1000 lines), JavaScript, MySQL, Django
Tools and Technologies	Git, HTML, CSS, LibGDX, Adobe Creative Cloud, Arduino
Technical Electives	Data Structures and Algorithms, Computer Organization, Introduction to Programming, Advanced Programming in Java, Operating System, DataBase Management, Advanced Data Algorithms

Projects

Tank Stars Game [link]
(Java, libGDX, Design)

(Nov'22 - Dec'22)
Team size: 2

- Customised the adaptation of the popular game '**Tank Stars**' while strictly following **Object Oriented Programming Principles**.
- Designed a detailed **UML and class relationship diagram** to streamline the entire development process.

Sight Swipe [link]   (Feb'23-March'23)
(Python, OpenCV)   Team size: 4
- Developed an **AI-based approach** for controlling the mouse movement with real-time camera that detects **hand landmarks**, tracks gesture patterns instead of a physical mouse.

Bazar [link]   (Jan'23 -Current)
(MySQL, Python)   Team Size: 2
- Designed and developed a retail store shop with a **database of inventory items** and integrated by using table schemas.
- Devised the **entity-relationship model** and proliferated the efficiency of the database by making use of techniques of query optimization.

Portfolio [link]   (March'23-Current)
(HTML, CSS, JavaScript)   Team Size: 1
- Designed a dynamic chart, personal interactive form using various **Javascript libraries.**
- Streamlined responsive design and User interface to develop the website

Linux Shell in C [link]   (Oct'22 - Nov'22)
(C, Linux, Shell)   Team size: 1
- Composed a simple shell to handle a few internal and external commands
- Implemented **basic shell technologies** in C

Custom RISC Assembler and Simulator [link]   (Jun'22 - Aug'22)
(Python, Matplotlib)   Team size: 3
- Implemented a Custom Simulator and Assembler for a fictitious **Instruction Set Architecture** and Visualized Memory Access Location over Time.

Weather Application [link]   (Dec'22-Jan'23)
(JavaScript, ReactJS, BootStrap)   Team size: 1
- Conceptualised and developed a weather application to monitor and track the temperature of different places **using APIs**.

Positions of Responsibility

- **Teaching Assistant** for the course IHCI : mentoring **40+ students** for the largest   Nov'22- Jan'23
  undergrad course, IHCI offered at IIITD
- Induction Mentor, **BTech Induction '22** (Orientation programme)   Sep'22 - Nov'22
- Member of Design Team, **ACM IIIT-Delhi** (Professional research society)   Mar'22 - Present
- Member of Creatives Team, **Odyssey '23** (Cultural festival)   Sep'22 - Dec'22t

Awards and Achievements

- Solved over **200+ algorithmic problems** on various platforms like CodeForces, LeetCode & CSES
- Among **7% of coders** on LeetCode, earned a **batch for 50 days of coding** in 2022
- **Joint Entrance Examination (Main)** (2021): Ranked in the **top 1%** of over a million test-takers in JEE (Main) and in the top 1% for mathematics.
- Among **1.5% of KVS students** of class 12 Boards (14,30,442 students), received a scholarship of 10K from KV Sangathan.

Interests and Hobbies

- Competitive Programming
- Music
- Socializing & Networking

Declaration: The above information is correct to the best of my knowledge.
Bhavya Narnoli
Date: 14th January , 2023