HITESH VATSAYAN

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DOB: May 9, 2003
Address: L-12, Mohan Garden, Uttam Nagar, New Delhi
LinkedIn | **Leetcode** | **Codeforces**

Education

INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY, DELHI B.Tech(CSSS) 2021 – Present	CGPA: 7.02 (current)
Adarsh Jain Dharmic Shiksha Sadan, New Delhi, Delhi CBSE 2019-2021	Percentage: 77.8
Kamal Model Sr. Sec. School, New Delhi, Delhi CBSE 2007 – 2019	Percentage: 92

Skills

Expertise Area	Data Structures and Algorithms, Object Oriented Programming, Video Editing, Marketing Strategies, Analysis & Design of Algorithms, Database Management System, Operating Systems, Ontology
Programming Language	Java, Python, C, SQL, R, Javascript
Tools and Technologies	LibGDX, Canva, Android Studio, Figma, Premier Pro, R Studio
Technical Electives	Data Structures in Algorithms in C and Java, Advanced Programming in Java, Computer Organization, Operating Systems, Analysis & Design of Algorithms, DBMS, Linear Algebra, Probability and Statistics

INTERNSHIP

- **Research Intern, KRaCR Lab ,**   (Jan,24 - May,24)
  Department of CSE, IIIT Delhi

  - Developed interactive visualizations of legal knowledge graphs for intuitive exploration of legal concepts and relationships.

  - Implemented recursive retrieval features to explore complex legal relationships and implications.

  - Implemented recursive retrieval features using RDF, SPARQL, and JavaScript for web-based information fetching and visualization.

Projects

Assembler and Simulator Github Link   (July,22 – Aug,22)
GUIDE - Dr. Sujay Deb   Team Size-3

- Developed an Assembler that compiled the given assembly language and Simulator that executed that code.
- Tech Stack - Python

Database Integration of Different Music Platforms Gitbhub Link   (Sep,23 – Present)
                                                                      Team Size-4

GUIDE - Dr. Mukesh Mohania

- Developed an integrated music database by harmonizing data from various platforms (Spotify, Apple Music, YouTube Music, Resso).

- Responsibilities included obtaining API access, data transformation, and ETL processes to provide valuable insights to music labels which will help in strategic decision-making, competitive advantage, and effective marketing strategies through data-driven optimizations.

- Tech Stack - SQL, Python, APIs

Legal Knowledge Graph Visualizer   Github Link   (Jan,24- May,24)

GUIDE - Dr. Raghava Mutharaju , Joseph Pookkatt

- The Legal Knowledge Graph Visualizer is a web tool that visualizes legal concepts and their relationships. It aids legal research with features like recursive retrieval and allows users to search for any legal term to see related information.

- Tech Stack - Javascript, Python, HTML, CSS

Meri Basket- Online grocery shop [Github Link](#)   (Jan,23- April, 23)
                                                                      Team Size- 2

GUIDE - [Dr. Mukesh Mohania](#)

- A web application that customers can use to order daily groceries online as per their needs.

- The customer could browse categories, products, and available product discounts on the application. Database was maintained using mySQL.

- Tech Stack - SQL, Python

**Analyzing the impact of different factors
on ground water level   [Github Link](#)**   (Feb,23- April,23)
                                                            Team Size- 4

GUIDE - [Dr. Gaurav Arora](#)

- Tested the impact of SDP, Capital Expenditure, Aggregate expenditure and margin of election victory on ground water level using statistical data and running their regression model on R studio.

- Tech Stack - R

Positions of Responsibility

- Batch Representative - Student Council, IIITD   (May, 24 - Present)
- Head of Sponsorship, TEDx IIIT Delhi   (Feb,23 – Apr,23)

- Sponsorship Head, Organizing Committee   (Jan'24 - March'24)
  E-Summit 2024 IIIT Delhi

- Sponsorship Head, Esya'23- IIIT Delhi's Annual Techfest   (May,23 - Aug,23)

- Sponsorship Team Lead of IIIT Delhi's Annual Cultural   (Sep,22 - Jan,23)
  Fest 'ODYSSEY'

- Head Organizer of India's first Content Creation Hackathon (Dec,22 - Jan,23)
  conducted at IIIT Delhi.

- Sponsorship Head of IIIT Delhi's E-Summit'23   (Jan,23 - Apr,23)

- Curation Executive, TEDx IIIT Delhi   (Feb,23 - Apr,23)

- PR and Social Media Head of Enactus Well Being Adda club   (Nov,22 – June,23)

- PR and Outreach head, Finnexia IIIT Delhi.   (Dec,22 - June,23)

Interests and Hobbies

- I like to establish good relations with the top management of top companies and connect With great influencers.
- Love to play Cricket.
- Listening to music
- I also like to socialize with people which helps me to improve my public speaking skills.

Declaration: The above information is correct to the best of my knowledge.
Hitesh Vatsayan
Date: July 7, 2024