Rohit Yadav

## Linkedin: https://www.linkedin.com/in/rohitt-yadavv/ Email: rohittyadavvvv@gmail.com

Github: https://github.com/itz-rohityadav Mobile: +917357772564

# Skills

* **Languages**: C++, Java, C, Python
* **Frameworks**: HTML and CSS, Bootstrap
* **Tools/Platforms**: MySQL, MongoDB, GitHub, Vercel, Hostinger
* **Software Development:**  Object-Oriented Programming (OOP), Data Structures & Algorithms
* **Machine Learning & NLP:** Scikit-Learn, TensorFlow, NLP (Vector Space Models, Sentiment Analysis, Chatbots)
* **Soft Skills**: Problem-Solving Skills, Project Management, Adaptability

# Training

• **C++ and Data Structures Algorithm :**  Jun 2024 – Jul 2024

Successfully completed training from CipherSchools in July 2024. Developed strong skills in C++ programming, Standard Template Library (STL), Data Structures (Arrays, Linked Lists, Trees, Graphs, Heaps, Hash Tables), and Algorithmic Problem-Solving.

# Projects

#### Visualizer\_BST - Binary Search Tree Visualization May 2024 – Jul 2024

Developed a **graphical visualization tool** for Binary Search Trees (BST) using C++.

Implemented key BST operations like **insertion, deletion, search, and traversal (inorder, preorder, postorder)**.

Used **graphics libraries** to display tree structures dynamically, helping users understand BST behavior visually.

Optimized tree balancing techniques and **red-black tree integration** for improved visualization.

**Tech Stack:** C++, Graphics Library (SFML/SDL/OpenGL), Data Structures and Algorithms

#### Customer Segmentation for E-commerce Aug 2024 – Oct 2024

Conducted customer segmentation using machine learning techniques to analyze purchasing behavior.

Implemented K-Means clustering and DBSCAN to identify distinct customer groups.

Utilized Python, NumPy, Pandas, and Matplotlib for data processing and visualization.

Generated actionable insights to help businesses optimize marketing strategies.

**Tech Stack:** Python, NumPy, Pandas, Matplotlib, Scikit-Learn

#### AchieveZone - Student Productivity Website Nov 2024 – Jan 2025

Developed a student-focused productivity platform to help with time management, goal setting, and routine building. a website to help students with goal setting, time management, and peer support.

Implemented features like goal tracking, discussion forums, leaderboards, motivational content, and one-on-one mentoring.

**Tech Stack:** React.js, Node.js, Firebase, Vercel, Hostinger

# Certificate

## The Complete Python Course by Udemy Aug 2022 – Dec 2022

## HTML, CSS Course From Coursera Oct 2022 – Dec 2022

* Cloud Computing from Linkedin Jan 2023 – Feb 2023
* Leadership Through Social Influence Jan 2023 – Mar 2023
* DSA using C++ May 2024 – Jul 2024

# Education

**Lovely Professional University** Punjab, India

### Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.3** Since August 2022

•

**Chand Ram Public School** New Delhi, India

•

### Intermediate; **Percentage: 79%** April 2020 - March 2021

**Suraj Sr Sec School** Mahendergarh, Haryana

•

### Matriculation; **Percentage: 78%** April 2018 - March 2019