# Ayush Singh

Computer Science Undergraduate | Aspiring Software Developer
Leetcode | GFG | GitHub | CodeChef | LinkedIn
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## ASPIRING MERN STACK DEVELOPER WITH PROBLEM-SOLVING EXPERTISE

Aspiring mern stack developer proficient in **Html,Css,Javascipt and Data Structur and Algorithm(DSA)**.Passionate about building real life project along with solving complex problem.Eager to contribute to impactful projects as grows as mern stack developer.

## TECHNICAL SKILLS

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|---|---|---|
| **Languages** | : | C++, Python, HTML, CSS |
| **Core Concepts** | : | Data Structures and Algorithms (DSA), Operating Systems (OS), Database Management (DBMS), Object-Oriented Programming (OOP) |
| **Databases** | : | SQL,PL/SQL |
| **Tools** | : | Git, GitLab, Visual Studio Code, Figma, Canva |

## EDUCATION

**VIT Bhopal University**                                                    Bhopal,MP,India
*Bachelor of Science in Computer Science*                        *Sept 2023 – June 2027*
CGPA - 8.51

**ST XAVIER'S Public school**                                         Azamgarh,UP,India
*April 2021 – June 2022*

## RELEVANT COURSEWORK

Data Structure and Algorithm

Problem Solving and Computer Programming

Competitive Programming

## PROJECTS

**Face Recognition System**                 *Python, OpenCV, TensorFlow, Flask*                 Source Code

- Developed a system using **Open CV and Tensor Flow** to detect and recognize faces in images and videos.
- Created a **RESTful API** with Flask for face recognition requests.
- Utilized SQLite for efficient user data and recognition result management.
- Enables **real-time recognition** using webcam input

**File Compression Tool Development Java,**    *HTML/CSS, Spring Boot, MySQL Git Source Code*    Source Code

- Developed a file compression tool leveraging advanced DSA techniques, including Huffman coding,
- Optimized the tool to handle large files efficiently with minimal complemented encoding, decoding, and error detection mechanisms to enhance system reliability.

## CERTIFICATIONS

- Introduction to machine learning-NPTEL (75 percentage,Elite+Silver badge)
- Fundamentals of AI and ML – Issued by Vityarthi in association with VIT Bhopal University
- MATLAB Onramp – MathWorks Training Services

## ACHIEVEMENT

- **Solved 750+ problems across platforms: 350+ on LeetCode (DSA, competitive programming) and 200+ on GeeksforGeeks.**

- Earned the 100 Days of Coding Badge for consistent problem-solving and coding practice.

- **LeetCode Rating: 1478 | GeeksforGeeks Rating: 1641 (3-star) | CodeChef Rating: 1486 (2-star) | Codeforces Rating: 862.**

- Managed and executed two major events during a college fest, ensuring smooth event flow

- CodeChef Starters157:Acheived 1113 rank out of 27,600+ participant at codechef contest