# Vaibhav Pal

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## Overview

Motivated and detail-oriented Computer Science and Engineering student with a strong foundation in systems programming and competitive programming. Proficient in C/C++ and Python with hands-on experience in web development and data structures. Adept at problem-solving and eager to contribute to software development projects and enhance technical skills through continuous learning.

## Education

**Bachelor of Technology in Computer Science and Engineering:** *Babu Banarsi Das Institute of Technology and Management, AKTU, Lucknow*
(2021-25)

**Intermediate:** *Lucknow Public School*
Percentage: 81.4%
Specialization: PCM with CS

**High School:** *Lucknow Public School*
CGPA: 8.8

## Technical Skills and Interests

- **Languages:** C/C++, Python
- **Libraries:** C++ STL, NumPy, Pandas
- **Tools:** Git, GitHub, VSCode, PyCharm
- **Operating System:** Ubuntu Linux
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Databases, Object-Oriented Programming
- **Areas of Interest:** Systems Programming, Competitive Programming (Pupil on Codeforces)
- **Soft Skills:** Problem Solving, Active Listening, Teamwork, Adaptability

## Personal Projects

### Myntra Clone:

- Developed a replica of the Myntra e-commerce site using **HTML**, **CSS**, and **JavaScript**.
- Implemented responsive design techniques using **CSS Flexbox** and **CSS Grid** to ensure compatibility across various devices and screen sizes.
- Utilized **Bootstrap** for rapid UI development and consistent styling.

### Movie Recommender System:

- Built a movie recommender system using **Python** to provide personalized movie suggestions based on user preferences and viewing history.
- Implemented collaborative filtering and content-based recommendation algorithms using **NumPy** and **Pandas** for data manipulation and analysis.
- Employed **Scikit-learn** for implementing machine learning models and evaluating recommendation accuracy.