

VAIBHAV PRATAP SINGH

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EDUCATION

BE | Computer Science Engineering | May 2025

- Chandigarh University | CGPA 7.19

The Aditya Birla Public School | March 2021

- Intermediate | PCM With Physical Education | Percentage: 81.2%

The Aditya Birla Public School | March 2019

- High School | Percentage: 84.6%

TECHNICAL SKILLS

Languages/Tools/Framework/Concepts

- Java, C/C++, SQL, DBMS, DSA
- Spring Boot, HTML/CSS, JavaScript

PROFESSIONAL EXPERIENCE

Software Development Intern | Nelumbus Technologies LLP | June 2023- August 2023

Front-End

- Architected and built support UI for Professors and teachers that can auto generate a question paper of multiple types.
- Led the initiative to track real time work and handle cooperation among all team members for smooth workflow.
- Added multiple features to the UI for exceptional user interaction.

Back-End

- Helped create login page for students as well as for professors using Node.js.
- Used MongoDB database to manage credentials of the user and admin while login.

PERSONAL PROJECTS

Chatbot | Assistant System

- Created a bot in that can handle system task & queries using voice recognition system and processes using NLP in python language.
- Upgraded the bot to give results from WWW using OpenAI API.
- Added text to speech feature for enhanced interface.

Chatbot | Smart Virtual Teacher

- Architected and built a bot that followed smart mechanism for people to learn complex things.

Weather forecaster

- Built enhanced web page using React.js containing real time weather information with smooth user experience.
- Got the hands-on experience to use OpenWeatherMap API to fetch real-time weather data.

Closed-eye detection | Open CV

- Implemented real-time closed eye detection with the goal to apply in automatic brake mechanism in vehicle.
- Learned the application and implementation of Haar cascades to detect face and eye.