

VAIBHAV PANT

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EDUCATION

Uttaranchal University

Bachelor of Technology in Computer Science and Engineering (CSE) - **CGPA -: 7.1**

August 2022 – September 2026

Dehradun, Uttarakhand

Mount Litera Zee School

Intermediate in Physics, Chemistry and Mathematics with Computer Science (**CBSE Percentage - 60**)

June 2020 – July 2022

Dehradun, Uttarakhand

TECHNICAL SKILLS

Languages: Java, C++, JavaScript, Python

Developer Tools: VS Code, GitHub, IntelliJ IDEA, Jupyter Notebook

Relevant Coursework: Data Structure and Algorithms, Object Oriented Programming, Artificial Intelligence

Technologies and Frameworks: HTML5, CSS3, React.js, Bootstrap, TensorFlow, Scikit-learn, Streamlit

Database: MySQL

PROJECTS

OSync | *Python, Streamlit, Matplotlib, Plotly* | [GitHub](#)

- Engineered an interactive **OS simulator** with support for **Page Replacement (FIFO, LRU, LFU)** and **CPU Scheduling (FCFS, SJF, RR)** using **Streamlit**; revamped the UI with custom **CSS** to improve navigation and visual hierarchy.
- Incorporated **theory explanations and algorithm logic modules** alongside the simulators; added intelligent **algorithm recommendation system** based on fault counts and execution times for data-driven learning support.
- Implemented step-by-step **visual simulations** and **timeline plots** using **Matplotlib and Plotly** to demonstrate real-time memory frame transitions and process scheduling Gantt charts, enhancing conceptual clarity.

CERTIFICATIONS

Frontend Developement with Java

Java and PHP complete course for beginner

July 2023

Certificate Link

Datastructure

C++ and DataStructure

September 2023

Certificate Link

ACHIEVEMENTS

- Championed the role of **Head Boy** managing students, representing the school at 10 events, and successfully organizing four major functions, enhancing school visibility and community engagement
- **President** of Coding and Development Club of college, leading a 70 members team. **Class Representative** since the first year, managing 70+ students and faculty-student communication. Former **Sports Captain**, winning multiple football tournaments.

EXTRACURRICULAR ACTIVITIES

- Volunteered in technical fests (**TechX, CodeRush**, etc.), handling registrations, coordination, and on-ground execution.
- Regular participant in college-level **football tournaments**, demonstrating team spirit and strategic thinking.
- Maintains an active lifestyle through **fitness**.