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# Education

**MIT WPU** Sep 2022 - Present

*Btech Computer Science Current GPA: 8.44/10.0*

**Vinayak Sr. Sec. School** June 2021 - July 2022

*HSC - PCM Percentage: 97/100*

# Coursework

**Courses:** Object-Oriented Programming, Data Structures & Algorithms, Embedded Systems, Software Engineering and Project Management, Internet of things, Database Management System, Computer Networks, Operating System, Web Development

**Academic Achievement:** Secured 1st rank in 12th-grade board exams in my school with a remarkable 97% in PCM subjects (Physics, Chemistry, Mathematics).

# Skills

**Languages**: C/C++, Python, Java, JavaScript, HTML/CSS

**Tools**: Git/GitHub, Unix Shell, VS Code, Selenium

**Libraries**: pandas, NumPy, Matplotlib, ultralytics

# Projects

**Hack-Metro** *| Python, OpenCV, YOLO,* April 2024 - Present

* Team project for the Pune Maha-Metro Hack 2024 Hackathon
* Developed a safety solution leveraging computer vision and machine learning algorithms
* Implemented real-time analytics on CCTV footage to detect escalator falls and platform edge crossings
* Utilized Python with YOLOv8 from Ultralytics library for image processing and object detection on our own trained model

**Unstop-Project** *| NLP (Natural Language Processing), Advanced Analytics* March 2024 – Present

* Designed and implemented an innovative solution leveraging Natural Language Processing (NLP) to match job descriptions with candidate profiles
* Developed algorithms to rank candidates based on the relevance of their skills, experience, and career goals to job opportunities, providing insightful recommendations to both job seekers and employers
* Utilized advanced analytics to analyze vast amounts of data, including job descriptions, company information, and candidate profiles, to enhance talent engagement and hiring processes

**Movie ticket Management system** *| Python, tkinter, MySQL, Git* Nov. 2023 - Present

* Developed a tkinter-based GUI application for managing movie information and show schedules with MySQL backend.
* Features include adding, deleting, and updating movie records, arranging show timings, and facilitating ticket reservations.
* Implemented ticket generation and display functionalities for customers.

# Experience

**CSI Club** *| Member* Aug. 2023

Involved in the club centered around Competitive Programming

**IoT Workshop** *| Instructor* March. 2024

Conducted a 2-Day workshop for first-year students introducing IoT concepts using Tinkercad and Arduino

* Taught students the basics of IoT and how to implement projects using Tinkercad simulations and Arduino IDE
* Guided students in developing mini IoT projects as part of the workshop

# Achievements

**Unstop Talent park - Tech** *| Semi-Finalist* Mar. 2024

I was chosen from 68,852 participants in the Unstop selection process, ranking among around 3,000 candidates

**PICT InC** *| Semi-Finalist* April. 2024

Selected as a Semi-Finalist among 15 members from a pool of over 500+ participants