

# NENCY PANCHANI

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## **SUMMARY:**

Recent computer engineering graduate with a strong foundation in software development, computer architecture, data analysis, and networking. Proficient in programming languages such as C, C++, Java, and Python. Adept in software design, coding, testing, and debugging. Experience in various operating systems such as Windows and Linux. Strong problem solving and analytical skills with an ability to think outside the box. Good team player and ability to work well in a team. Strong verbal and written communication skills. Seeking an entry-level position in software development, computer systems, data analyst, data scientist, or network engineering.

## **SKILLS:**

- **Software/Programming:** C, Python (Pandas, Numpy, Matplotlib, ggplot2), C++, SQL, PHP, Java, JavaScript, R
- **Domains:** Data Analyst, Software Developer, Data Scientist, Data Engineer, Database Administrator, Machine Learning Engineer
- **Soft Skills:** Communication, Visualizer, Critical thinking, Problem solving, Negotiation, Detail oriented, Teamwork, Relationship Building, Storytelling, Inquisitive, Business Intelligence

## **EXPERIENCE:**

**Teaching Assistant | MIT World Peace University | Pune, India**

**July 2021 – Dec 2021**

- Performed all assistant teaching duties for the Head of Department, including mentoring, lecturing, researching and clerical help.
- Conducted lab sessions for Data and File Structures classes with 25+ students 3 hours a week by helping second-year students
- Provided technical assistance during the laboratory section of the course
- Conducted doubt and revision sessions for 30+ students
- Proctored weekly assignments and 20+ tests, ensuring academic integrity

## **PROJECTS:**

**VaccinofyS Java Swing Application | Northeastern University**

- This application can manage distribution of various vaccines and can add new vaccines and request manufacturers to distribute vaccines to hospital and pharmacy
- Java Swing is used for the Front End of the application. There are total of 40+ Java classes within the business package which includes several enterprises, organizations, roles, and work requests. There are multiple UI classes within the UI packages to demonstrate the flow of the application

**Intelligent Facial Recognition Attendance System | MIT World Peace University**

- Developed a system that processes the video feed of CCTV cameras installed in classrooms to capture face samples of subjects in its field of view to record attendance
- Built this facial recognition system using python libraries deep learning CNN model(maintained by google) pre-trained for face recognition and detection which is then trained on a dataset that includes current student and faculties and is updated as in when new admissions come in
- The attendance will be stored in MySQL database and can be edited by the faculty and admin which can then be viewed

**Placement Prediction Model | MIT World Peace University**

- Identified a gap where students fail to understand and realized where their profile lacks when it comes to placements and job seeking opportunities
- Built a model that predicts whether a student would be placed based on different parameters like experience, academic scores and background, qualification and historical data using machine learning, data Analysis, data classification, python, and various regression model to help increase their chance at getting an offer

## **EDUCATION:**

**Northeastern University | Boston, MA**

**Sep 2022 - May 2024 (Expected)**

Masters in Information Systems

*Relevant Courses: Application Engineering and Development, Database Management and Data Design, Data Science Engineering with Python, Web Design*

**MIT World Peace University | Pune, India**

**Jul 2019 - May 2022**

Bachelor of Technology in Computer Engineering

CGPA: 9.68/10.0

*Relevant Courses: Fundamentals of Database, Basic Statistics, RDBMS, Probability Theory, System Analysis and Design, Web Development, Data Structure, Operating Systems, Internet of Things, Introduction to Data Science*