

Arpita

📍 Ambala Cantt, Haryana 📞 8168158728 ✉ arpita19@gmail.com in Arpita 🔄 Arpitaa19

Education

B.Tech in Computer Science and Engineering

Dec 2022 – May 2026

Indian Institute of Information Technology, Vadodara

GPA: 8.69/10

- **Coursework:** Data Structures & Algorithms, Database Systems, AI, Computer Vision, Networks, System Security

Technologies

Languages: C++, C, Python, JavaScript, SQL, Shell Scripting

Frameworks: TensorFlow, PyTorch, OpenCV, NumPy, Pandas, React, Node.js, Express, Flask

Tools: Git, Docker, MongoDB, MySQL, Jupyter

Domains: AI/ML, Healthcare Tech, Document Processing, Security, System Administration

Projects

Document Structure Analysis (Python, TensorFlow, OpenCV)

Oct 2023 – Dec 2023

- Built a deep learning model for document layout detection with 90%+ accuracy.
- Developed a REST API and optimized OCR/NLP pipelines for faster, accurate data extraction.
- **GitHub:** github.com/Arpitaa19/document-analysis 🔗

Healthcare Management System (Python, PyTorch, Stable-Baselines3, Pandas, NumPy, Scikit-learn, NLTK, Gym)

Aug 2023 – Dec 2023

- Built a reinforcement learning system using PPO for personalized disease diagnosis and treatment recommendations.
- Applied cosine similarity to match medications and suggest precautions based on patient symptoms.
- **GitHub:** github.com/Arpitaa19/healthcare-management 🔗

Experience

Software Developer Intern

Webriy

May 2025 – Present

- Assist in developing features, fixing bugs, and optimizing application performance within the software team.
- Support testing and documentation to ensure code quality and consistency.

Leadership & Activities

Secretary - Art Club

IIITV-ICD

Aug 2024 - May 2025

- Increased club engagement by 40% through strategic partnerships and improved event visibility.

Teaching Assistant – Linear Algebra and Matrices

IIITV-ICD

Jan 2025 – May 2025

- Assisted over 100 students by conducting weekly tutorial sessions on core concepts such as vector spaces, eigenvalues, and linear transformations.

Professional Development

- Completed **Google Cloud Computing Foundations (2023)** with a specialization in cloud architecture and ML deployment. [Google Cloud Skills Profile](#) 🔗
- Completed **Bootcamp Web Development Certification (2025)** covering responsive design and UI components. [View Certificate](#) 🔗