

SOUNDARYA DUBE

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Technology

Major in Computer Science; Minor in Health Informatics

Cumulative GPA: 8.42/10.0; Dean's List 2015-2016

Relevant Coursework: Data Analysis, Machine Learning; Operating Systems; Algorithms; Artificial Intelligence

Bhopal, Madhya Pradesh

Expected Sept 2026

ASCENT INTERNATIONAL SENIOR SECONDARY SCHOOL

12th (Rajasthan board of secondary education) = Science (Physics, Chemistry and Biology)

Udaipur, Rajasthan

ST. TERESA SENIOR SECONDARY SCHOOL

10th (Central board of secondary education) = Science, Mathematics, Social studies, English, Hindi

Udaipur, Rajasthan

UNIVERSITY PROJECTS

HEALTH CARD SYSTEM

May 2025

- A **health card** for recording patient history can be implemented as a **digital health record system**. In India, the **Ayushman Bharat Health Account (ABHA)** provides a **14-digit unique ID** that securely stores medical records and allows patients to access and share their health data digitally.
- It records Patient History, Laboratory Records, Radiology Reports, and Prescriptions.

SURGICAL ASSISTANCE

Dec 2024

- Medical Image Segmentation to segment medical images for diseases detection.
- Techniques: Deep Learning, TensorFlow, and PyTorch

PREDICTIVE ANALYSIS FOR CARDIOVASCULAR DISEASES

Jul 2024

- A predictive model using ECG data for early detection of cardiovascular diseases.
- Techniques: Logistic Regression, SVMs, Random Forest
- Achieved 85% accuracy, reducing misdiagnoses by 20%.

ACTIVITIES

METAVERSITY CLUB

VIT Bhopal, MP

Head of PR Team

Feb 2025

- Align messaging by collaborating with marketing and leadership while tracking performance with analytics. Strengthen visibility through strategic communication, media relations, and effective crisis management.

INDUSTRIAL CONCLAVE

VIT Bhopal, MP

Head of Project Team

Aug 2024

- Medical image analysis for Diabetic Retinopathy

ADDITIONAL

Technical Skills: FastAPI, Flask, Django, WebSocket, TensorFlow, PyTorch, OpenCV, Keras, BERT, Google Cloud Platform (GCP) - Deployment and Monitoring, MongoDB (NoSQL), basic SQL, API Development, Real-Time Systems, RESTful Services, Scalable code architecture.

Languages: Python, C++, Java

Certifications & Training: [HTML, CSS, and JavaScript for Web Developers](#), [Crash Course on Python](#) (Coursera), [Computer Vision](#), [Fundamentals of AI and ML](#), [Python Essentials](#) (VITyarthi)