

# Vasu Chourasia

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## EDUCATION

### B.Tech in Computer Science and Engineering (CSE) | VIT Bhopal University

Sep 2023 – Jul 2027 | GPA: 8.62/10

## CORE TECHNICAL SKILLS

**Programming:** Java, JavaScript, Python

**Databases:** MongoDB, MySQL

**Web:** HTML, CSS, REST APIs

**Other:** Git, Debugging & Troubleshooting

## PROJECTS

### VITMEDS - University Health & Appointment Management System

A web-based platform to streamline appointment booking, digital prescriptions, and disease prediction within the university.

**Tech Stack:** Python, Flask, MongoDB, Random Forest ML, HTML, CSS, JS, REST APIs.

- Built **role-based login/signup** and digital prescription module.
- Implemented **emergency booking** with automated email alerts.
- Integrated **disease prediction model** using Random Forest.

### AI-based Deepfake Detection Website

A web app to detect deepfake videos by analyzing uploaded media using AI and computer vision.

**Tech Stack:** Python, Flask, TensorFlow, OpenCV, HTML, CSS, JS.

- Applied **transfer learning on Xception Net** for detection.
- Developed **video upload & analysis interface** with Flask.
- Integrated **OpenCV preprocessing** for better accuracy.

## EXTRA-CURRICULAR AND ACHIEVEMENTS

### Tata Imagination Challenge – Participant (2024)

- Proposed an AI based solution for deepfake video detection.

### College Annual Sports Fest – Chess Tournament

- Qualified in Intercollegiate Chess Tournament (Annual Sports Fest).

## CERTIFICATIONS

- **The Bits and Bytes of Computer Networking-** Coursera
- **LangGraph and LangChain with Ollama-** Agentic RAG- Udemy
- **Fundamentals of AI and ML-** Vityarthi