

ABHINAV VISHNU MOHAN

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EDUCATION

- VIT Bhopal** Oct 2022 – Jun 2026
B.Tech in Computer Science (core)
CGPA: 8.05
Coursework: Front End Development
- Mother Theresa memorial Central school** June 2020 - May 2022
12th Diploma - Computer Science/Maths
84.8%
- Mother Theresa memorial Central school** June 2019 – march 2020
10th Diploma
78.8%

PROJECTS

- AI-Powered Wildlife Monitoring System** Nov 2024 – Apr 2025
 - Trained a YOLOv8 model, achieving **91% training** and **95% validation accuracy** on the NTLNP dataset across 17 species.
 - Integrated real-time geolocation and alerting system using Leaflet.js for map visualization and Twilio API for automated SMS alerts during wildlife detections.
 - Built an interactive dashboard using React and a Python backend, enabling live detections, manual uploads, and analytics.
- PLANT LEAF DISEASES DETECTION AI** Jun 2024 – Aug 2024
 - Designed a CNN-based model to automatically identify plant leaf diseases from images, enabling early diagnosis. Trained on diverse datasets using image processing techniques, achieving high accuracy in classifying diseases to support farmers and enhance crop management.
- Medical Chatbot** Aug 2023 – oct 2023
 - Developed an AI-powered healthcare assistant using NLP (Python, TensorFlow) to analyse symptoms, offer triage guidance, and ensure HIPAA-compliant EHR integration for secure patient interactions

TECHNICAL SKILLS

Languages : Python , SQL , JavaScript.
Web development: HTML , CSS , JavaScript , React.
CS Fundamentals : Database and management system , Operating systems , Computer Networks , Data structures and algorithms

CERTIFICATIONS

- Full Stack developer MERN** - Issued by Smart Bridge – MongoDB Jan 2025 – May 2025
- Data structures and algorithms** - Issued by Face prep Feb 2025 – Apr 2025

EXTRACURRICULAR ACTIVITIES

- Participated in the National Road Safety Hackathon 2025, an event jointly organized by the National Highways Authority of India (NHAI) and the Highway Operators Association of India (HOAI).
- Mozilla fire fox club-Core member
- English (Fluent), Malayalam (Native), Hindi