

ATHARVA CHALIKWAR

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Education

VIT Bhopal University

2022 – 2026

B.Tech in Computer Science and Engineering (specialization in Gaming Technology)

CGPA: 8.85/10

Skills

Technical Skills

- **Languages:** Java, Python, SQL
- **Web Technologies:** HTML, JavaScript, CSS, MongoDB
- **Developer Tools:** Git, GitHub, Vercel, AWS
- **Game Development:** Unity Engine, Augmented Reality (AR)

Projects

Adoptbuddy – A Pet Adoption Platform

Feb 2025 – Apr 2025

Internship Training Project

- Built a MERN stack web platform with 200+ pet listings and 500+ adoption applications.
- Engineered real-time validated forms resulting in a 40% reduction in submission errors and saving 10+ minutes per user.
- Implemented admin dashboard to moderate 150+ profiles and 300+ user requests with approval tools.
- Designed a responsive pet catalog with filters and 1–5 image support, descriptions, and health notes.

Pneumonia Detection Web Application

Feb 2024 – Apr 2024

AI/ML Project

- Built a convolutional neural network (CNN) model using pre-trained VGG16 architecture to classify chest X-ray images.
- Developed a Flask-based web app that allows users to upload X-rays and receive real-time pneumonia detection results.
- Achieved over 90% classification accuracy on validation datasets, demonstrating strong diagnostic potential..
- Designed user-friendly interface for doctors and patients with image upload, prediction display, and confidence scores.

Lane Detection System

Nov 2023 – Jan 2024

Computer Vision Project

- Developed a real-time lane detection system using OpenCV to enhance driver safety in autonomous vehicles.
- Implemented image pre processing, Canny edge detection, and Hough Transform for accurate lane line identification.
- Achieved detection accuracy of approximately 92% on test videos under varying lighting and weather conditions.
- Optimized algorithm to run at 25+ FPS on standard hardware, suitable for real-time deployment.

Certifications

- Ethnus – MERN FULL Stack Certification.
- NPTEL – Foundation Of Cyber-Physical Systems.
- Ethnus – AWS Solution Architect Certificate.

Extra-Curriculars

AWS Cloud Club VIT Bhopal

June 2024 – June 2025

Core Member

- Collaborated with club members to organize hands-on workshops and cloud computing sessions attended by 100+ students.
- Coordinated AWS training programs and awareness drives, promoting cloud literacy across campus.