

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

NSB Junior College, Nanded

2021 – 2022

HSC (12th Grade), Maharashtra State Board

Percentage: 84.83%

Christ International School

2019 – 2020

SSC (10th Grade), Central Board Of Secondary Education

Percentage: 87.4%

Skills

- Java Programming
- AI-ML-DL
- Computer Vision
- DSA
- Web Development
- Computer Networks
- Cloud Computing
- Python Programming

Experience

Intern— CodeAlpha (Java, Machine Learning, Web Development)

Feb 2025 – March 2025

Remote Internship

- Developed java based application, enhancing logic building and problem solving skills.
- Collaborated on a real world coding tasks, and improving debugging proficiency in Java.

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 reducing submission errors by 40% and saving 10+ minutes per user.
- Implemented admin dashboard for moderating 150+ profiles and 300+ user requests with approval tools.
- Created a responsive pet catalog with filters and 1–5 image support, descriptions, and health notes.

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.

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 classification accuracy of 90%+ on validation datasets, demonstrating strong diagnostic potential.
- Designed user-friendly interface for doctors and patients with image upload, prediction display, and confidence scores.

Certifications

- Ethnus – MERN FULL Stack Certificate.
- NPTEL – Foundation Of Cyber Physical System.
- 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.
- Assisted in the coordination of AWS training programs and awareness drives, promoting cloud literacy across campus.