

TUSHAR NAGESH DESHMUKH

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Education

VIT Bhopal University

B.Tech in Computer Science and Engineering

2022 – 2026

CGPA: 8.46

Skills

- **Programming Languages:** Java, Python, MySQL
- **Web Technologies:** HTML, CSS, JavaScript, React.js, Node.js, MongoDB
- **Technical Skills:** DSA, Web Development, Cloud Computing, AI-ML-DL, Data Analytics

Projects

Adoptbuddy – A Pet Adoption Platform (MERN Stack)

Feb 2025 – Apr 2025

Internship Training Project

Live Demo

- Developed a MERN stack pet adoption platform featuring pet listings, adoption application forms, and user authentication.
- Engineered real-time validated forms reducing submission errors by 40% and saving 10+ minutes per user.
- Implemented admin dashboard for moderating profiles and user requests with approval tools.
- Created a responsive pet catalog with filters and multi-image support, descriptions, and health notes.

FitnessGenes Website

May 2025 – Jun 2025

Web Development Project

Live Demo

- Built a modern and fully responsive fitness website using React, featuring a product shop, trainer profiles, and interactive gym services.
- Implemented dynamic shopping cart, product filtering, and real-time state management for seamless user interactions.
- Designed and developed responsive UI/UX with SCSS, Flexbox, and CSS Grid, ensuring compatibility across devices.
- Followed component-based architecture and React best practices for scalability and maintainability.

Pneumonia Detection Web Application (AI-ML-DL Project)

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 – Web Development Internship Training Certificate.
- Ethnus – Amazon Web Services Internship Training Certificate.
- NPTEL Elite Certification – Cloud Computing, IIT Kharagpur.

Leadership / Achievements

- Completed 100 Days of Code on LeetCode, solving 120+ problems in DSA using Java. Shared progress consistently on LinkedIn.
- Team Lead, Project Exhibition 2 – VIT Bhopal: Directed Lane Detection Systems project using ML models.
- AWS Cloud Club VIT Bhopal Core Member
- Dhol Tasha Pathak Lead
- Managed resources for 10+ club events with 100+ participants each.