

TUSHAR NAGESH DESHMUKH

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Education

VIT Bhopal University

B.Tech in Computer Science and Engineering

2022 – 2026

CGPA: 8.46

Skills

- Java Programming
- Python Programming
- DSA
- Web Development
- Cloud Computing
- AI-ML-DL
- MySQL
- Web Technologies: HTML, CSS, JavaScript, React.js, Node.js
- Power BI

Projects

Adoptbuddy – A Pet Adoption Platform (MERN Stack)

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 (AI-ML-DL Project)

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 preprocessing, 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.

Blinkit Analytics Dashboard — Power BI, Python, SQL

Jan 2025

Analytics and Data Visualization Project

- Built an interactive analytics dashboard in Power BI integrating SQL queries and Python scripts.
- Enhanced decision-making through automated data preprocessing, trend analysis, and visualization.
- Implemented advanced DAX measures and drill-through filters for granular business insights.
- Delivered actionable insights to optimize operations, improving reporting efficiency by 30%.

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