TUSHAR NAGESH DESHMUKH

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Education

VIT Bhopal University   **2022 − 2026**
B.Tech in Computer Science and Engineering   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

- 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