DIKSHA

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EDUCATION

- Bangalore Institute of Technology | Bengaluru, Karnataka   2022-2026
  Bachelor of Engineering in Computer Science and Engineering | CGPA: 8.7/10.0
- Adarsh Vikas Vidyalaya | *CBSE Board* | *12th*   2021
- South Point Public School | *CBSE Board* | *10th*   2019

WORK EXPERIENCE

- Fresher

PROJECTS

- Online food catering management system
  - Developed and launched a user-friendly online food catering management system with two distinct interfaces for Admins and Users, streamlining order processing time by approximately 30% through efficient design in HTML and CSS.
  - Implemented key modules: User Registration/Login, menu management, Order placement, Payment processing, and Feedback collection.
  - Created responsive front-end using HTML/CSS, built back-end logic in PHP and used MySQL for database operations.

- Real Time chat App using MERN stack
  - Built a scalable, full-stack chat web application supporting real-time one-to-one messaging with user authentication.
  - Integrated Socket.IO for low-latency, bi-directional messaging and live user status updates.
  - Implemented restful APIs with Express and used MongoDB for efficient storage of messages and user data.
  - Created a modern, responsive UI using TailwindCSS and DaisyUI, enhancing user experience across devices.

- Helmet and number plate detection
  - Developed a real-time video processing system to detect and log helmet violations using deep learning and OCR.
  - Used YOLOv8 for object detection (no-helmet and number plate) and PaddleOCR to extract license plate numbers from video frames.
  - Automated logging of violation details (number plate, date, time) into Excel sheets using xlwings, with cropped violation images saved for evidence.

TECHNICAL SKILLS

- Technical skills: DSA, Computer Networks, Operating Systems, OOP, DBMS
- Programming languages: C, C++, Java, Python, HTML/CSS
- Certifications: AI&ML Training course (Infosys), Apna College(DSA with JAVA), UI/UX college competition

LEADERSHIP

- Organizer at amBITion (A national level 24-Hour Hackathon organized by Bangalore Institute of Technology)
- Secretary at SDI club Bangalore Institute of Technology

SUMMARY

- Teamwork, communication skills, multitasking, management