

Shivangi Kumari

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Education

VIT Bhopal University , B.Tech in Computer Science	Sept 2022 – Pursuing
• GPA: 8.60	
DAV Puplic School , Senior Secondary CBSE	2021
• Percentage: 94	
DAV Puplic School , Secondary School CBSE	2019
• Percentage: 95	

Skills

Languages: Java, Python, SQL, JavaScript

Technologies: MySQL, Responsive Web Design, UI/UX Design, Java Collections Framework

Certifications

Java Foundations Associate :An Oracle University Training	2025
Cyber Security Analyst :CECSA1IN, provided by IBMCE	2025
Cloud Computing :IIT KGP,NPTEL	2024

Projects

Driver Drowsiness Detector

- Technologies Used: Python, YOLOv5, OpenCV, Deep Learning, NumPy, PyTorch
- Integrated YOLOv5 with OpenCV for live video feed processing, ensuring high-speed detection with minimal false positives.
- Utilized Eye Aspect Ratio (EAR) and facial landmarks to monitor eye closure duration and identify signs of fatigue.
- Provided a cost-effective and non-invasive system that proactively detects drowsiness and issues timely alerts to prevent fatigue-related accidents.

ADHD Assistant App – UI/UX Design for Neurodiverse Users

- Tools and Skills: Figma, UX Research, Wireframing, Prototyping, Accessibility Design
- Applied neurodiversity-friendly design principles, emphasizing visual simplicity, calming color schemes, and clear task hierarchies.
- Conducted UX research to inform layout choices and interaction flows tailored to ADHD behavior patterns and attention needs.
- Developed interactive Figma prototypes to visualize user flows, test usability, and refine design based on feedback.

Extracurricular Activities

- Active participant in coding challenges and online contests to enhance algorithmic thinking and problem-solving skills.
- Explored user-centric design through tools like Figma and participate in online workshops on accessibility and interface design.
- Explored creative fields like digital drawing, journaling, or content writing alongside technical learning to balance productivity.