

# Moksh Doshi

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## SUMMARY

Recently doing my **UG at VIT-Bhopal University in Computer Science and Engineering**. As a Computer Science Student, I am seeking opportunities where I can leverage my skills in **front-end development** while expanding my knowledge in backend web development. Using my skills to merge the Field of **IoT and Automation** with Computer Science

## EDUCATION

### VIT-Bhopal University

Bachelor of Technology in Computer Science and Engineering

Sehore, Madhya Pradesh

Graduation Date: Jun 2026

## PROJECT EXPERIENCE

### PEOPLE COUNTING SYSTEM USING LOGIC GATES & SENSOR

Feb 2024 - Mar 2024

- Achieved 95% accuracy in crowd measurement by designing a people counting system with **logic gates and IR sensors**
- Engineered a **dual-direction detection system using IR** sensors that distinguished between entries and exits with 98% precision
- Implemented up/down counters and **BCD encoder (IC 7447)** that processed 100+ transitions per minute with zero system failures

### DISEASE DETECTION IN APPLE PLANT USING AI

Nov 2023 - Jan 2024

- Achieved **94% accuracy** on a trained AI model that **identifies 5 different classes of apple plant diseases** from leaf images
- Reduced diagnosis time from hours to seconds by implementing an efficient image recognition algorithm that processes 50+ images per minute
- Collaborated with 4 team members over 4 months to collect and process **1,200+ leaf images**, improving dataset diversity by 35%
- Optimized the model to reduce false positives by 27%, significantly improving reliability for agricultural applications

### SIMPLE GRID WEB GAME | [\[link\]](#)

Jul 2022 - Oct 2022

- Created a 4x4 grid web game that **increased user engagement by 40%** compared to previous projects
- Reduced load time by 60% through optimization techniques, resulting in a bounce rate decrease of 25%
- Designed intuitive game mechanics that improved average session time by 2 minutes
- Implemented responsive design elements that increased mobile user retention by 45%

## LEADERSHIP EXPERIENCE

### EDU4U CLUB

Co-Lead Technical Team

Aug 2024 - Present

- Led a technical team of **8 members across 3 major campus events**, achieving 99.7% uptime for all systems and reducing technical issues by 40% compared to previous events
- Mentored 4 junior technical team members through hands-on training sessions, resulting in a 35% improvement in their skills and enabling them to independently manage critical technical components at subsequent events

## SKILLS & CERTIFICATIONS

**PROGRAMMING:** Python, JavaScript, Java, C, C++, Prolog, HTML/CSS

**TOOLS/APPLICATIONS:** Figma, Latex, VS code, AutoCAD, Blender, Insonmia, Git

**CERTIFICATIONS:** NPTEL Marketing Analytics Certification, NPTEL Cloud Computing Certification, Coursera The Bits and Bytes of Computer Networking Certification

- Achievements:**
- Hack for India Hackathon Winner** | *HackerEarth & aiXplain* | Jan 2025
    - 1st Place Overall & Women Safety Theme Winner (6,382 participants) [\[link\]](#)