# Devesh Mokhariya

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## SUMMARY

Passionate Software Engineer with expertise in Deep Learning, Computer Vision, and Natural Language Processing. Proficient in Java and Python with strong problem-solving, research, and collaboration skills. Passionate about Web Development and skilled in building scalable, real-time solutions.

## TECHNICAL SKILLS

**Programming Languages**: Java, Python, C++, SQL, MATLAB, JavaScript

**Web Development:** HTML, CSS, React.js, Node.js

**Deep Learning Frameworks**: TensorFlow, PyTorch, Keras Libraries &

**Tools**: NumPy, Pandas, OpenCV, jQuery, Pytesseract

## PROJECTS

**AUTOMATED PARKING SYSTEM WITH LICENSE PLATE RECOGNITION**                    Aug 2024 – Dec 2024

*Computer Vision Project*                    *Python, OpenCV, Pytesseract, Tkinter, API Integration*

- Developed a desktop application to automate parking management using real-time video feed processing.
- Implemented a License Plate Recognition (LPR) system with OpenCV for detection and Pytesseract for OCR.
- Integrated APIs to fetch vehicle details (SOAP) and send SMS notifications and receipts (Twilio).
- Built an automated billing system that calculates parking fees and generates PDF receipts with UPI QR codes.

**FACE RECOGNITION BASED ATTENDANCE SYSTEM**                    April 2025 – May 2025

*Natural Language Processing*                    *Python, OpenCV, LBPH, Tkinter, Firebase, Pyttsx3*

- Built a desktop application to automate student attendance using real-time face recognition.
- Implemented LBPH algorithm with Haar Cascade for accurate face detection and recognition.
- Integrated Firebase real-time database for storing attendance records securely on the cloud.
- Designed a Tkinter-based GUI with speech feedback (pyttsx3) to register students, mark attendance, and view reports.

**SCHOOL MANAGEMENT SYSTEM**                    May 2025 – June 2025

*Full-Stack Web Project*                    *MongoDB, Express.js, React.js, Node.js (MERN), JWT, REST APIs*

- Developed a centralized web application to manage student records, attendance, grades, and staff details.
- Implemented role-based dashboards for admins, teachers, and students with secure JWT authentication
- Built RESTful APIs with Express.js and MongoDB for CRUD operations on student data.
- Designed responsive front-end using React.js with real-time updates and role-based access control.

# EXPERIENCE

**Club Member**  January 2024 – March 2025
*E-Cell Club, Sports Club*  *VIT Bhopal University*
- Led various events conducted by club including events in *AdVITya*.
- Represented the university in inter-college basketball tournaments during *AdVITya fostering teamwork, discipline, and strategic thinking.*
- Enhanced communication and academic coordination for improved learning outcomes
- Key Skills: Academic Leadership, Communication, Curriculum Development.

# EDUCATION

**VIT Bhopal University**  Bhopal, MP
*B.Tech in Computer Science, Core*  *August 2023 – Present*

**Bal Baharati Public School**  Manesar, HR
*High School in Science*  *April 2011 – April 2022*

# CERTIFICATIONS

- MERN Full Stack Certification Program – Codemithra (ETHNUS)
- MATLAB Onramp – MathWorks
- Online Summer School on Remote Sensing & GIS for Environmental Studies – ISRO (IIRS, Dehradun)
- AI & ML Internship – AICTE & IBM SkillsBuild (Edunet Foundation)
- AI Azure Internship – Microsoft & AICTE (Edunet Foundation)