

Vishal Sinha Python Developer

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EDUCATION

BCA (Bachelor of Computer Applications)

Shreyarth University(Pursuing)

2023 – 2026

SKILLS

Programming Languages — C, C++, Python, JavaScript

Web Development — HTML, CSS, JavaScript, Django, Flask, React.js, Node.js, Express.js

Machine Learning & AI — OpenCV, DeepFace, Computer Vision, Face Recognition, NLP, AI Automation

Data Analysis & Visualization — Pandas, NumPy, Matplotlib, Seaborn

Databases — MySQL, PostgreSQL, Firebase

PROJECTS

Portfolio Website

- Designed and developed a **personal portfolio website** to showcase projects, skills, and achievements.
- Built using **Django (Python) with HTML, CSS, and JavaScript** for a clean and responsive user interface.
- Implemented **dynamic content rendering** and structured backend architecture.
- Ensured **responsive design and cross-browser compatibility** for optimal user experience.
- Created a **scalable and maintainable codebase** suitable for future enhancements.
- **Link:** <https://vishal-portfolio-j1t4.onrender.com/>

MarkAI

- Developed **MarkAI**, an AI-powered voice assistant capable of understanding and responding to natural language commands.
- Integrated **speech recognition and text-to-speech** for hands-free, real-time user interaction.
- Enabled intelligent responses using **generative AI** for answering queries and task automation.
- Implemented system-level automation such as **opening applications, playing music, and fetching real-time information**.
- Built a **modular Python-based architecture** to support easy feature expansion and maintenance.
- **GitHub:** <https://github.com/vishalsinha2004/MarkAI>

AI-Based Attendance Management System

- Built an AI-powered attendance system using **computer vision** to automatically recognize faces and mark attendance in real time.
- Implemented **face detection and recognition** with **OpenCV, MediaPipe, and DeepFace** for accurate identification.
- Automated attendance logging with **timestamps** and exported records to **CSV/Excel** formats.
- Optimized performance using a **single-image-per-user database** and efficient camera frame processing.
- Developed a **scalable Python-based architecture** for easy maintenance and future upgrades.
- **GitHub:** <https://github.com/vishalsinha2004/Attendance-management-system>

Profile

Organized and results-driven BCA student with hands-on experience in Python development, AI-based systems, and intelligent automation. Proven ability to build AI voice assistants (MarkAI), face recognition-based attendance management systems, and full-stack portfolio applications using Django. Skilled in computer vision, speech processing, NLP, and modern web technologies. Seeking an entry-level role in AI development or software engineering to apply strong programming and problem-solving skills in real-world applications.

EXPERIENCE

AI/ML Intern

TECHMICRA

Ahmedabad, Gujarat

- Worked on Python programming including data handling and automation.
- Performed data cleaning and analysis using Pandas and NumPy.
- Implemented machine learning algorithms such as Linear Regression, Classification, and Clustering.
- Explored AI and Deep Learning concepts using Keras, CNNs, and NLP.
- Learned basic model deployment and performance evaluation techniques

CERTIFICATIONS

HACKER RANK: — PYTHON

SIMPLILEARN: — PYTHON

AREA OF INTEREST

- Automation & Scripting (Python-based automation tools)
- Machine Learning & Artificial Intelligence
- Full-Stack Web Development