Shashank Pandey

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EDUCATION

Vellore Institute of Technology Bhopal University   **2022 – 2026 (Exp.)**
B.Tech Computer Science and Engineering   *GPA: 8.29*

PROJECTS

Face Detection Using Machine Learning | Link   **Aug 2023 - Nov 2023**
Python, OpenCV, CNN, NumPy, Haar Cascades

• Built a real-time face detection and recognition system with automated attendance marking and secure enrollment of new individuals.

• Implemented structured data storage for attendance records and user profiles, ensuring accuracy and persistence.

• Designed an intuitive interface with optional reporting features for seamless interaction and analysis.

Citizen ID System - Digital Identity Management Platform | Link   **Jul 2024 - Feb 2025**

Next.js, Tailwind CSS, Node.js, Express.js, MongoDB/PostgreSQL, NextAuth.js, Firebase/AWS S3.

• Developed a secure user management system with authentication, profile dashboard, and dark mode support.

• Implemented document handling features, including secure upload, storage, and DigiOne integration for fetching official records.

• Built productivity tools like a Resume Builder, Online Assessments, and an interactive UI with dynamic sidebar navigation.

Jarvis AI Assistant | Link   **Oct 2024 – Jan 2025**
• Created an AI-powered virtual assistant capable of performing voice-command-based tasks including web search, file operations, weather updates, reminders, and system automation.

• Integrated a Groq-powered chatbot API for conversational intelligence and PIL-based image generation via external APIs.

• Built automation features for file handling, browser control, and scheduled tasks, enhancing system productivity.

• Designed the system to operate in real-time using asynchronous programming and modular architecture for easy scalability.

SKILLS

Languages: Java, C, C++, JavaScript, Python, HTML, CSS, SQL
Frameworks & Libraries: Next.js, React.js, Node.js, Express.js, Tailwind CSS, NextAuth.js, Arduino
Databases & Tools: MongoDB, PostgreSQL, Firebase, AWS, Git, GitHub, Vercel

CERTIFICATIONS

- **AWS Solutions Architecture – Associate -** ETHNUS (Jan 25 - Apr 25) **| Link**

- **MERN Full Stack -** ETHNUS (Jan 25 - Apr 25) **| Link**

- **Cloud Computing -** NPTEL (Jan 25 - Apr 25) **| Link**

- **Market Analytics -** NPTEL (Jan 25 - Apr 25) **| Link**

ACHIEVEMENTS

- **300+ problems** solved on **LeetCode** with **100+ days** coding streak on **LeetCode in 2025**(focus on Data Structures & Algorithms, problem-solving).

- Completed **SQL50** study plan in **Leetcode.**

- Competed in **Codeforces** contests**,** achieved **max rating 800+.**

- Selected to participate in the **MariaDB Python Hackathon on HackerEarth,** currently developing *AskMaria*, an AI-powered SQL assistant for natural language to SQL conversion.