Manansinh Sandhaliya

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EDUCATION

VIT Bhopal University — Bhopal, Madhya Pradesh, India
Bachelor of Technology in Computer Science and Engineering (AI&ML) — *Expected May 2026*
- **CGPA:** 8.45
- **Relevant Coursework:** Database Management System, Foundations of Data Science, Machine Learning, Deep Learning, Computer Vision, Applied Linear Algebra, Discrete Math

Gujarat Public School — Vadodara, Gujarat, India
Class XII — *May 2022*
- **Percentage:** 79.8%

Kokilaben Dhirubhai Ambani Reliance Foundation School — Jamnagar, Gujarat, India
Class X — *May 2020*
- **Percentage:** 92.6%

TECHNICAL SKILLS

Programming Languages: Python, C++, Java
Data Analysis & Machine Learning: Python, PyTorch, Scikit, Pandas, NumPy
Web Development: HTML, CSS, JavaScript, Django, SQL
Tools: VS Code, Jupyter, Google Colab

PROJECTS

Brain Tumor MRI Detection Model *(Oct 2024 – Dec 2024)*
- **Stack:** Python, Tensorflow, NumPy, OpenCV, Matplotlib, Seaborn
- **Description**: Developed a brain tumor detection model using deep learning, leveraging Convolutional Neural Networks (CNN) and DenseNet121 for accurate tumor classification from MRI scans. The model classifies brain tumors into categories such as glioma, meningioma, pituitary tumor, and no tumor.
- **Dataset**: Trained on a well-curated MRI dataset containing labeled images for various tumor types.
- **Focus**: The model emphasizes the use of computer vision algorithms for medical image classification and detection.
- **Performance**: Achieved 99.69% accuracy in classifying MRI images for brain tumor detection.

Command-Based Automation Model *(Feb 2024 – Apr 2024)*
- **Stack:** Python, pyttsx3, Tkinter, APIs,
- **Description:** Developed a command-based automation model for a virtual assistant, responding to predefined user commands such as web searches and voice feedback, designed to enhance task efficiency and user interaction.
- Implemented a user-friendly interface for seamless interaction, integrating voice recognition and web scraping features to provide quick, accurate responses to user commands.
- **Future Scope**: Plans to enhance with NLP capabilities for more natural interactions and expanded automation features.

ACHIEVEMENTS

- 2nd place winner, Robotics and Coding workshop (Techno-cultural Festival), VIT Bhopal University(Mar 24)
- Silver+ Elite Certificate of SWAYAM NPTEL(Course: Privacy and security in Online Social Media)

CERTIFICATIONS

Applied Machine Learning in Python, University of Michigan - Certificate
SQL Crash Course, Uplimit - Certificate
Database Management System, Infosys Springboard - Certificate

SOFT SKILLS & HOBBIES

Languages: English, Hindi, Gujarati, Japanese (Beginner)
Drawing & Sketching
Leadership: Exhibited exceptional leadership by successfully leading my team in two university project exhibitions, achieving a S grade on both occasions.