

Shubham Gattthewar

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EDUCATION

MGM's College Of Engineering : CGPA:- 7.99

Bachelor of Technology in Information Technology

Nanded, India

Aug. 2021 – present

Yashwant College Nanded : 93.63%

Science

Nanded, India

Aug. 2019 – May. 2021

TECHNICAL SKILLS

Languages: Python, SQL, HTML, CSS, Data Structures and Algorithms (Python)

Frameworks: Flask, MongoDB Compass, Dash

Developer Tools: Git, Docker, VS Code, PyCharm, Anaconda Navigator, Colab, PowerBI ,Excel

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, Keras, OpenCV, OpenPose, SpeechRecognition , BERT

Concepts: Machine Learning, Deep Learning, Data Visualization, Statistical Analysis, NLP, Computer Networking, Network Protocol, Penetration Testing

Soft Skills: Problem Solving, Team Collaboration, Communication, Time Management, Critical Thinking, Leadership

PROJECTS

Rural AI Hub 🌀

March 2024 – June 2024

- Centralized platform for Maharashtra government surveys in **rural areas**, supporting **data analysis**, **visualization**, and **access controls**.
- Predictive analytics** applied to survey data, generating actionable insights for addressing key issues.
- Tech stack: **Python**, **HTML**, **LLM**, **AWS**, **Gemini**, **MongoDB**, **Flask**, **GitHub**, **Scikit-learn**, and **Power BI**.

Voice-Activated Personal Assistant 🌀

Feb 2024 – April 2024

- Integrated **speech recognition** for accurate command processing with the **SpeechRecognition** library.
- Enabled seamless voice feedback using **text-to-speech** with **pyttsx3**.
- RandomForestClassifier** employed for command classification, ensuring responsive and precise task handling.
- Automated web and GUI interactions using **Selenium WebDriver** and **PyAutoGUI** for efficient task management.
- Technologies: **Python**, **SpeechRecognition**, **pyttsx3**, **OpenAI API**, **Selenium**, **PyAutoGUI**, **RandomForestClassifier**.

Plant Disease Detection App 🌀

[Sep 2024 – Oct 2024]

- Developed a plant disease detection application that leverages a convolutional neural network (CNN) model to identify plant diseases based on leaf images.
- The app allows users, such as farmers and agricultural researchers, to upload images of plant leaves, providing predictions on the disease type along with a confidence score.
- Key features include an intuitive interface built with **Streamlit** and real-time disease prediction using **TensorFlow/Keras** for model deployment.
- Employed data preprocessing techniques and augmentation to enhance model robustness, and used a labeled dataset to train the CNN for accurate disease classification.
- Technologies: **Python**, **TensorFlow/Keras**, **Streamlit**, **PIL**, **NumPy**, **JSON**.

CERTIFICATIONS

Introduction to NLP, Infosys Springboard

Data Science Certification, IBM

Python Certification, Infosys Springboard

Artificial Intelligence Primer Certification, Infosys Springboard

ACHIEVEMENTS

Python Striker VISOTECH Coordinator 2024

SIH Internal Hackathon Winner 2023 - MGMCOE

150 Days LeetCode Challenge Batch 200+ problems solved