

Rishita Prajapati

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PROJECT

Face Recognition System

(Jan'25 – Feb'25)

- Built a computer vision system to detect and recognize human faces for authentication purposes.
- Learned concepts of image processing, feature extraction, and classification.
- Implemented using Python, OpenCV, and NumPy.

Speech Recognition Application

(Feb'25 – Mar'25)

- Developed a speech-to-text application enabling hands-free interaction and accessibility.
- Gained experience in handling audio data and Natural Language Processing.
- Implemented using Python, Google Speech API, and SpeechRecognition library.

Price Prediction Model

(Mar'25 – Apr'25)

- Designed a machine learning model to predict prices based on historical data and influencing features.
- Strengthened understanding of regression analysis, data preprocessing, and model evaluation.
- Implemented using Python, Scikit-learn, Pandas, and Matplotlib.

Weather Forecasting Model

(Mar'25 – Apr'25)

- Created a forecasting system to predict weather conditions using historical climate datasets.
- Learned time series analysis, data visualization, and applied machine learning for real-world prediction.
- Implemented using Python, Scikit-learn, Pandas, Statsmodels, and Matplotlib.

Cursor Controller by Hand Gesture

(Jun'25 – Jul'25)

- Built a hand gesture recognition system to control the mouse cursor without physical devices.
- Learned real-time image processing, gesture tracking, and human-computer interaction concepts.
- Implemented using Python, OpenCV, and Mediapipe.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Python, SQL

Others: VS Code, Git, Cloud Computing

Frameworks & Libraries: Flask, Django, Scikit-learn, OpenCV, Bootstrap, jQuery

POSITION OF RESPONSIBILITIES

Vice-Chairperson | Silver Oak University IEEE Computer Society Student Branch Chapter

- Provided leadership in coordinating technical and non-technical activities for the student branch.
- Strengthened **leadership, communication and organizational skills** while ensuring documentation and team processes were maintained systematically.
- Supported peers in developing technical projects and fostering a culture of continuous learning.

Co-Lead, Content Team | GDG On Campus, Silver Oak University

- Produced technical and non-technical content to support academic and community initiatives.
- Collaborated with cross-functional teams to ensure smooth planning and execution.
- Enhanced skills in **technical writing, presentation and community engagement**.

EXTRACURRICULAR | HOBBIES

- Completed **Microsoft AI Course**, gaining knowledge of machine learning, neural networks, and AI applications.
- Completed **Internship at Sahana Pvt. Ltd.**, learning about cloud computing concepts and real-world project workflows.
- Authored **technical blogs**, sharing insights on technology and practical applications.
- **Hobbies:** Writing, Reading, Baking, Learning, Skating