

Sujal Bundheliya

Ai/ML Developer

Driven MSc AI student with expertise in Python-based machine learning, specializing in predictive modeling and computer vision. Proficient in algorithms like Linear Regression, KNN, SVM, and CNN, with practical experience in developing advanced projects such as X-ray prediction and human detection systems. Committed to leveraging AI technologies to solve complex real-world challenges and drive innovative technological solutions.

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EDUCATION

Master of Science in Artificial Intelligence

St. Xavier's College, Ahmedabad

06/2024 - 07/2026

Percentage - 75%

Course-work

- Advanced studies in Artificial Intelligence with a focus on machine learning algorithms.
- Developed practical skills through academic projects in computer vision and predictive modeling.
- Proficient in Python programming and machine learning techniques.
- Strong analytical and problem-solving capabilities in the data science domain.
- Expertise in Linear Regression, KNN, SVM, and CNN algorithms.

Bachelor of Computer Applications(BCA)

Sutex Bank College of Computer Applications and Science

07/2021 - 05/2024

Percentage - 77.7%

Course-work

- Core Programming and Software Development: Computer Programming, Programming Methodology, Python, Data Structures, Software Engineering, GUI Development.
- Advanced Technology Domains: Internet of Things, Web Designing, Web Frameworks and Services.
- Infrastructure and Networking: Network Technology, Operating Systems.

WORK EXPERIENCE

Internship

Prodigy Infotech

10/2024 - 11/2024

Achievements/Tasks

- **House Price Prediction Model:** Built a linear regression model using features like square footage, bedrooms, and bathrooms to predict house prices.
- **Image Classification:** Developed an SVM model to classify cat and dog images, leveraging Kaggle's dataset and visualizing predictions.
- **Hand Gesture Recognition:** Implemented a system to recognize hand gestures for gesture-based control using computer vision techniques.

SKILLS

Python

R

SQL

HTML

CSS

PHP

Machine Learning

OpenCV

Scikit-learn

Matplotlib

Pandas

Numpy

PERSONAL PROJECTS

Currently Developing X-Ray Disease Prediction System

- Designing an AI-powered medical diagnostic platform using Convolutional Neural Networks (CNN) for accurate disease detection from X-ray images.
- Implementing progressive disease prediction capabilities, starting with comprehensive X-ray image analysis.
- Long-term goal: Create a robust AI system capable of detecting multiple diseases through advanced machine-learning techniques.
- Focuses on developing accurate, reliable medical image classification models using computer vision and deep learning algorithms.

Human Detection System

- Developed an advanced object detection system using a pre-trained YOLOv4 model with OpenCV.
- Implemented real-time human detection for live camera and video streams.
- Achieved high accuracy in identifying and tracking human subjects using computer vision techniques.

CERTIFICATION

Machine Learning

Data Analysis with Python

Data Visualization with Python

Python for Data Science

LANGUAGES

English

Professional Working Proficiency

Hindi

Native

Gujarati

Native