Kathan Patel
Data Science and AI/ML Enthusiast

Goal-oriented Data Science Professional with expertise in AI, NLP, and Computer Vision. Experienced in applying advanced techniques like Deep Learning to extract meaningful patterns and trends from data. Dedicated to driving results through innovation and leveraging data-driven strategies to optimize processes and deliver high-impact solutions.

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Ahmedabad, India

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LinkedIn

GitHub

Portfolio Website

WORK EXPERIENCE

AI Developer
InnoRadhya AI Solutions

08/2023 - Present,   *Ahmedabad*

Project Details and Accomplishments:

- Automated Attendance Management System Using Face Recognition [GitHub]
- Hair Diseases Classification Using Transfer Learning [GitHub]
- Stock Price Prediction Using Deep Learning [GitHub]

Trainee Data Science
Nascent Info Technologies

03/2023 - 05/2023,   *Ahmedabad*

In a GIS-based company, I completed four projects highlighting my expertise in data analytics, machine learning, computer vision, and natural language processing.

Project Details and Accomplishments:

- GIS-Based Query Classification [GitHub]
- Air Quality Index Prediction [GitHub]
- Building Extraction From Satellite Imagery [GitHub]
- Creating a Chatbot using Rasa Framework

PERSONAL PROJECTS

1. Chicken Disease Classification [GitHub]
- Completed "Chicken-Disease-Classification" project using deep learning for accurate disease classification. Developed a robust pipeline for data ingestion, model preparation, training, and evaluation. Created a user-friendly prediction app and deployed it on AWS using CI/CD. Demonstrated expertise in end-to-end deep learning workflows and cloud deployment.

2. Boston House Price Prediction [GitHub]
- Developed a machine learning model to predict housing prices in the Boston area using Python and various regression techniques. Utilized data preprocessing and feature engineering to improve model accuracy. Created a web application with interactive features to showcase the predictions. Implemented DevOps tools like GitHub, CI/CD, and Docker for seamless project management and deployment.

EDUCATION

BSc. Data Science
Gujarat University

08/2019 - 05/2022,   *Ahmedabad*

Data Science Masters Certification Course
FingerTips

08/2022 - 01/2023,   *Ahmedabad*

SKILLS

Machine Learning   Deep Learning

OpenCV (Computer Vision and Image Processing)

Natural Language Processing   Python Programming

Cloud Computing (AWS, Azure)   GitHub & Docker

SQL and Database Management   Flask   Postman

Data Cleaning and Preprocessing   TensorFlow / Keras

Pytorch   Feature Engineering

Statistical Modeling   PowerBI

Time Series Analysis   R Programming

Sklearn (scikit-learn)   Heroku (Deployment Platform)

Web Scraping   Transfer Learning

Hugging Face (Deployment)

ACHIEVEMENTS

Data Science Masters Certification Achievement

Successfully completed the Data Science Masters Certification program at Jain University Bangalore with an impressive score of 84 out of 100, achieving an 'A' grade.

CERTIFICATES

Data Science Masters - Jain (Deemed-to-be University) (Link) (04/2023)

Python For Everybody Specialization- University of Michigan (Link) (04/2021)

LANGUAGES

English
Professional Working Proficiency

Hindi
Native or Bilingual Proficiency

Gujarati
Native or Bilingual Proficiency

INTERESTS

Technology Trends   Continuous Learning

Automation and Efficiency