

YASH MAKADIA

DATA SCIENTIST

Passionate and detail-oriented Data Scientist with hands-on experience in machine learning, deep learning, and data analysis. Seeking to leverage my skills and knowledge to contribute to the development of innovative AI-driven products.

WORK EXPERIENCE

Maxgen Technologies Pvt. Ltd., Ahmedabad

Jan 2024 – Jun 2024

Data Science Intern

I have strong proficiency in Python libraries such as NumPy, Pandas, Seaborn, and Matplotlib, which I utilize for data manipulation and visualisation. During my tenure as a Data Science Intern, I excelled in data cleaning, feature engineering, and exploratory data analysis (EDA). I also manipulated data with SQL and developed machine learning models using scikit-learn, actively collaborating with cross-functional teams to share insights and drive strategic initiatives.

Additionally, I am proficient in building models using ANN, CNN, RNN, and LSTM with TensorFlow and Keras. I am currently expanding my expertise in Deep Learning, NLP, Power BI, and Generative AI to enhance my capabilities in the data science field.

Mindwave Infoway, Rajkot

May 2023 – June 2023

Python Developer Internship

I have a solid understanding of fundamental Python syntax and structure, with proficiency in using data types such as strings, lists, tuples, and dictionaries. I have experience with control flow statements like if, for, and while, as well as familiarity with functions and modules for code organization and reuse. Additionally, my knowledge of error handling and other core concepts contributes to my overall coding skills.

TECHNICAL SKILLS

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|----------------------|----------------------|----------------------|
| • Python Programming | • Machine Learning | • Deep Learning |
| • SQL | • Data preprocessing | • Data Manipulation |
| • Python Libraries | • Data Analysis | • Data Visualization |
| • ML Framework | • NLP | |

CERTIFICATIONS

Python Programming

Certified in the basics of Python programming, with foundational skills in data manipulation, coding, scripting, and algorithm development.

Software Testing

Certified in software testing, with expertise in manual and automated testing methodologies, bug tracking, and test case development.

PROJECTS

Image Classification :

Tools : Python, Pandas, TensorFlow and Keras

Developed a CNN and an ANN to classify images from the CIFAR-10 dataset, achieving over 95% accuracy on the test set. Collected and preprocessed the dataset, employing data augmentation techniques to enhance model robustness. Conducted extensive hyperparameter tuning using TensorFlow and Keras to optimize model performance.

Visualized training progress and performance metrics with Matplotlib and Seaborn to ensure transparency and interpretability. The project demonstrated strong proficiency in deep learning, model evaluation, and data visualization, showcasing the ability to build and refine complex models for high-accuracy image classification.

Car Price Prediction :

Tools : Python, NumPy, Pandas, Scikit-learn

Developed a machine learning model to predict car prices using Python, Pandas, NumPy, and scikit-learn. Collected and preprocessed a dataset of car features and prices, including handling missing values and encoding categorical variables. Employed feature engineering techniques to enhance model input.

Trained and evaluated a Linear Regression model to predict car prices. Conducted hyperparameter tuning to optimize model performance and used cross-validation for robust evaluation. The project demonstrated proficiency in data preprocessing, feature engineering, and model evaluation for predictive analytics.

Movie Recommender System :

Tools : Python, Pandas, NLTK, Scikit-learn

Created a content-based movie recommendation system. Merged and preprocessed movie and credits datasets, extracting and cleaning features. Implemented natural language processing (NLP) techniques to transform text data and utilized CountVectorizer for feature vectorization. Employed NLTK for text preprocessing to enhance data quality and usability.

Applied cosine similarity to compute movie similarities based on their tags, enabling the system to suggest similar movies. Developed a recommendation function that outputs the top movie matches for a given title.

EDUCATION

Bachelor of Engineering in Computer Engineering,

Ldrp -ITR, Gandhinagar (2024)

HSC & SSC, Junagadh

Gujarat Board

PERSONAL INFORMATION

Phone Number : +917984225760

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LinkedIn : [LinkedIn](#)

GitHub : [GitHub](#)

Portfolio : [Portfolio](#)

Date of Birth : 12th Sep 2002

Known Languages : English, Hindi, Gujarati

Address : Junagadh, Gujarat