

Niyati Datwani

Knowledgeable in various avenues of Machine Learning and Deep Learning. Proactive with a problem-solving attitude. Ability to build innovative AI solutions for real-life concerns.

CONTACT

8460947026

niyati.datwani27@gmail.com

EXPERIENCE

PeopleSuite Hcm, Vadodara — Senior Artificial Intelligence Researcher

Sep 21 - PRESENT

- Created customized applications to make critical predictions, automate reasoning and decisions, and calculate optimization algorithms.
- Performed data cleaning, feature scaling, feature engineering using Pandas, Numpy, Scipy, Matplotlib, Seaborn, Scikit-learn in python at various stages for developing Machine Learning models.
- Research and Develop an end-to-end Automated Resume parser for the organization Using Several Techniques like Bert, Spacy, and Ner With 70% Accuracy.
- Created Hr Domain Chatbot using Rasa Framework with MySQL queries.
- Maintained energy and enthusiasm in a fast-paced environment.
- Checked client code for bugs and weaknesses using approved troubleshooting methods.

PeopleSuite Hcm, Vadodara — Junior Artificial Intelligence Researcher

September 2020 - September 2021

- Used critical thinking to break down problems, evaluate solutions and make decisions.
- Designed, implemented, and evaluated new models and rapid software prototypes to solve problems in machine learning and systems engineering.
- Research and Develop state-of-the-art techniques in the field of Natural Language Processing, Machine Learning & Deep Learning.
- Researched and Implemented different types of chatbots and created one from scratch using customized data provided by the organization.
- Identified issues, analyzed information and provided solutions to problems.

SKILLS

Machine Learning Algorithms
Python
C++
Pandas
Numpy
Natural Language Processing
Computer Vision
Rasa
NLTK
Transformers
Statistics
Django
Data Modeling
Data Management
Data Mining
Data Manipulation
MsSql
Scrapy
Matplotlib
Tensorflow
Keran
Yolo Object Detection
Deepsort
Ocr
Bert
Spacy
Face Recognition
DialogueFlow

EDUCATION

Gujarat University, Ahmedabad

Aug 2018 - July 2020

Master of Science: Artificial Intelligence & Machine Learning

Ganpat University, Ahmedabad

August 2015- July 2018

Bachelor of Science: Information Technology

SoluLab, Ahmedabad — Machine Learning Intern

January 2020 - March 2021

- Research and Develop state-of-the-art techniques in the field of Computer Vision.
- Worked on a live client project named “Increase marketing ROI using video ads analysis”.
- Transformed raw data to conform to assumptions of machine learning algorithms.
- Studied new technologies to support machine learning applications resulting in Custom Object detection.
- Trained YOLOV3,V4 with custom labeled dataset.

PROJECTS

Project Name — Ethnicity Detection

A deep learning approach has been used to tackle this problem. It obtains 70 accuracy in the validation set (20%). Both approaches may be feasible to test in real time as they can process around 5 frames per second.

Project Name — Car Tracker and logo Detection

Car tracker and its logo detection in real time. Data for this task was obtained by capturing individual frames from video clips. A total of 6267 images were captured. I used 500 images for Test and the rest for the Training part.

Project Name — Intelligent Chatbot using Deep Learning

Open-Domain AI chatbot using various text analytics, NLP techniques and algorithms. Modeling using various AI-DL algorithms: RNN, LSTM, Seq to Seq Model.

Project Name — Email Spam-Ham Classification

Build a Spam Filter that can effectively categorize an incoming Email as either “spam” or “ham”. Different Machine learning algorithms such as

Naive Bayes, Support Vector Machine(SVM), Knn, Decision Tree,etc

Awards

- High performance computing and Deep learning - IIT Roorkee
- GDG Women Techmakers - Ganpat University
- Cyber Security and Ethical Hacking - Comexp Cyber Security
- Live Workshop Machine Learning - Rollwala Department of Computer Science
- Ethical Hacking: Hands on Experiment - Department of Computer Science - Ganpat University

Project Name — Optimizing Traveling Salesman Problem

The goal is to find the shortest path between different cities. This project gives a solution to find an optimal route for traveling salesman using Genetic Algorithm Technique.

Project Name — OutLaw

Treasure Hunt PC Game using Unity 3D and C#