

Daksh Patel

Data Scientist | ML Enthusiast

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EDUCATION

SRM Institute of Science and Technology

Chennai, Tamil Nadu

Bachelors of Technology in Computer Science, *Cumulative GPA: 9.57/10.0*

5/2023

- Areas Of Interest: Machine Learning, Computer Vision, Data Science, Research

WORK EXPERIENCE

Sixth Consultancy

Chennai India

Data Science Intern

12/2021- 02/2022

- Created a Script to handle streaming data of the stock market and reviewing it every min with a script written in python.
- Creating a script that allows storing the data of a particular company in the database every minute from the API.
- Tested my Script over various Companies listed in BSE and NSE.

Infigon Futures

Mumbai, India

Python Developer/ Data Science Team Lead

6/2021- 11/2021

- Managed and Analyzed the workflow of the Python Developer Team on the Projects and also lead 3 different teams of new interns.
- Managed the Deployment side of the Projects using AWS(ECS).
- Implemented my very own Resume-Parser Module using NLP, Data-extracting and many more.

Python Developer Intern

4/2021- 6/2021

- Worked on College Prediction Module, Scraped data for the same of more than 200+ colleges.
- Created A Welcome Email Module for the new users and also a WhatsApp Automator for automating messages.
- Created and Tested more than 10 APIs for different purposes of the App using Flask and Postman.

Elixir Tech

Chennai, India

Graphic Designer

3/2020- 3/2021

- Tasked to make Logo for clients and also design UI/UX for the Mobile Apps
- Designed Brochures for the Organisation and worked on many projects such as designing business Cards, Instagram Stories and posts and many other ways of digital marketing services.

PUBLICATION:

Weather Prediction using ANN

IJARESM Journal

July 2022

- A Back Propagation Neural Network Technique predict on weather condition on real time dataset. Basically we calculated the Gradient Descent to minimize error in the Artificial Neural Network.

PROJECTS

Food-101

- Using Transfer Learning tried to classify 101 food dishes and also beat the base paper accuracy which was achieved using Random Forest about 56%, where as my model showed a accuracy of 85%.

Plant-Disease-Identification

- Created a Deep Learning model for the classification of 38 types of different diseases in plants. The model I used is EfficientNetB0 which worked better than ResNetV250, approaching the accuracy of 98.79% for the detection of diseases in particular images of a leaf.

Neural-Network from Scratch

- Built a Neural Network of 3 layers using NumPy and by coding all the equations from scratch. The accuracy achieved 84% on MNIST data.

Document-Enhancer

- Document Enhancer is basically an Application that can be used to detect documents using Images as well as by capturing the image from the user's mobile camera, followed by taking part in a hackathon as a team where we were among the top 5 teams.

Digit-Recognizer

- Created an app that detects handwritten digits from 0 to 9 using neural networks; the dataset used was mnist.npz, an official dataset provided by TensorFlow. The model is deployed on Heroku using a FLASK REST API.

PROFESSIONAL ASSOCIATION

ACM-W,

Machine Learning Executive

Chennai, India

10/2021-Present

- Helping newcomers into the field of Machine Learning as a Mentor.
- Trying to find new opportunities under ACM-W chapter

Aakash Research Labs,

Machine Learning Head

Chennai, India

6/2022- Present

- Present Evaluating and Guiding Juniors in the team, also making them work on projects.
- Uplifting the team with new skills and making them learn new technologies

Deputy Secretary

6/2021-5/2022

- Evaluating and Managing the Organisation, Bringing forth an excellent track record towards the Organisation.
- Organised event Tekmux for school students of class 12 in the month of August.

ML Intern

2/2021-Present

- Made my first ever Deep Learning model of Digit Recognition and deployed it over Heroku using Flask API in an App.
- Created my own 3 Layered Neural Network from scratch using NumPy only.
- Working on Healthcare Project with my teammate at Aakash Research Labs

Graphic Designer

3/2020- 3/2021

- Tasked to make Posters for various events organized by the Organisation
- Tasked to create promotional posters and stories for the Organisation.

SKILLS & INTERESTS

Computer Skills: Python, C, C++, Docker, AWS(ECS), Flask, Tensorflow, Numpy, Pandas, Basic OpenCV, Scikit-Learn, Matplotlib. Linux, Seaborn.

Interests: Data Science, Machine Learning, Deep Learning, Image Segmentation, Research