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🌐 <http://nmistry45.pythonanywhere.com/>

in Nishit Mistry

🔗 nmistry45

SKILLS

| | |
|---------------|-------------------|
| Python | Machine Learning |
| Deep Learning | TensorFlow |
| Keras | NLP |
| R | NumPy |
| Pandas | scikit-learn |
| Matplotlib | pyTorch |
| Statistics | Agile Methodology |
| Java | AWS / GCP |
| Git | MongoDB / SQL |
| ReactJS | NodeJS |

PUBLICATIONS

ParaSpeak: A Speaking System for Paralyzed
GIS Science Journal
<http://gisscience.net/VOLUME-7-ISSUE-6-2020/>

AWARDS

Chunautee '21 Winner
IIC YMCA, Faridabad

Certificate of Merit
Shah & Anchor Kutchhi Engineering College
Topper of Department

Smart India Hackathon 2020 - Software Edition Winner
Government of India

1st Runner Up at Intra College Robotics Competition
SAKEC Robo-Club

CERTIFICATIONS

Python (Basic)
HackerRank

Introduction to Deep Learning (with Honors)
Coursera

Introduction to Machine Learning
NPTEL

LANGUAGES

| | |
|-------------|---------------|
| English | Gujarati |
| Very Fluent | Native Tongue |
| Hindi | Marathi |
| Very Fluent | Fluent |

Nishit Mistry

Data Scientist

EDUCATION

Dalhousie University
Master, of Applied Computer Science

Shah & Anchor Kutchhi Engineering College
Bachelor of Engineering, Information Technology

WORK EXPERIENCE

Bombay Leprosy Project, Sion, Mumbai
Machine Learning Intern

- Developed Deep Learning Models for **Object Identification using TensorFlow**.
- Trained CNN models like InceptionV3** and also performed **Ensemble Learning for better accuracy**.
- Validated** and **Evaluated** the model results with various statistical metrics such as **Precision, Recall, F1-Score, and ROC Curve**.
- Led a team of 5 people** and helped in the identification of Leprosy at its early stages.

Shah & Anchor Kutchhi Engineering College, Chembur, Mumbai
Development Intern

- Developed a **Machine Learning Supervised model** for Educational Help.
- Generated a **Random Forest Classifier Ensemble** that would predict and analyze whether a student requires some help based on **previous data** like scores.
- Implemented **storage using Firebase** and developed features to upload and download various study materials like E-Books, PDFs, and important notes.

Eduprime Robotics Pvt. Ltd., Ghatkopar, Mumbai
Research & Development Intern

- Developed Weather Monitoring System and Scientific Calculator using **C/C++ and Arduino UNO board**.
- Interfaced various sensors like MPX10DP Pressure Sensor, MQ - 7 CO Gas Sensor, Pulse Sensor, and Knock Sensor.

PROJECTS

Stock Price Prediction using LSTM

- Led a team** to create a **Stock Price Prediction** System using **LSTM**.
- Performed **data exploration, analysis, transformation** and **handled data quality issues** while **tuning the hyperparameters** on a **time-series** dataset.
- Developed LSTM model** with various graphs to gauge the prediction accurately with proper evaluation metrics and learning curves.

Cropifier: Crop Identification Mobile Application

- Led a team of 5 people** to build a mobile application for **ISRO in Smart India Hackathon 2020 - Software Edition**.
- Generated dataset from various sources, explored data using **R**, performed **data analysis, image pre-processing, data labeling, and data augmentation** using **Numpy and Pandas in Python**.
- Trained CNN-based models - InceptionV3 and SSD MobileNetV2** using **TensorFlow and Google Colab**.

Invoicify

- Developed a web application using **ReactJS, NodeJS, and MongoDB** that helps businesses to manage their invoices and payments while **improving user accessibility by 45%**.
- The system was created using **MERN Stack** with the proper file structure.
- The back-end was entirely created using **AWS Services** like **Elastic Beanstalk, Lambda, SQS, S3, Cognito, DynamoDB, API Gateway, CloudWatch, and EC2**.

VOLUNTEER EXPERIENCE

Dalhousie Student Union
O-Week Leader

- Assisting** with the organizing of various **events** for new incoming students.
- Worked in a **team to help** students effectively and **engaged** them in various activities.

Dalhousie Student Union
Food Bank Volunteer

- Assisting** with the preparation of various **orders** and handling **large queues** of people.
- Worked in a **team to help the Food Bank** provide resources efficiently and effectively.

Dalhousie Student Union
Outreach Volunteer

- Worked in a team** to help the flow of the **DSU Student Elections**.
- Involved a high number of people** to take part in the elections by constantly interacting with them.
- Assisting with the preparation of resources** and tabling for event programming.