Nihar Sanda

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EXPERIENCE

Camp+, Varopro Pvt Ltd. — CoFounder

February 2021

It's a startup that is incubated by New Gen IEDC which is a campus management application. We are soon launching the MVP.

WeeToo Ecommerce, Mumbai — PHP Developer Intern

June 2020 - July 2020

Here I worked on the SQL Database and PHP's Framework Laravel to develop the multi-seller package in Bagisto.

IIITians Network— Web Developer

April 2020 - August 2021

I have worked on the IIITians Network's main website and also on the Dharwad Page.

EDUCATION

Don Bosco High School, Matunga — 10th

Percentage - 88%

PACE Junior Science College, Dadar — *12th*

Percentage - 85%.

IIIT Dharwad - Bachelor of Technology, Computer Science and Engineering

2019-2023(expected)

LANGUAGES

English, Hindi, Marathi, Telugu, French (DELF A2)

SKILLS

- Programming Languages –
  - Python
  - C
  - C++
  - JavaScript
  - HTML/ CSS/ Bootstrap
  - PHP
- Tech Stack –
  - Machine Learning
  - DL, CV, NLP, EDA, BCi
  - Pandas, Numpy, MatPlotLib, SciKit, Matlab, EEGLab
  - Web Scraping and Crawling
  - Firebase, AWS
  - MERN, Flask, Django
  - SQL and NoSQL
  - Tableau, PowerBI

AWARDS

- QuarterFinalists of Swadeshi Microprocessor Challenge organised by Government of India.
- 2nd in Online National Level Hackathon conducted by Bharati Vidyapeeth's College of Engineering, Pune.
- 1st in National Science Olympiad conducted by SOF.
- Postman Student Leader

EXTRA-CURRICULAR ACTIVITIES

- Core Committee Member of Data Science and Artificial Intelligence (DSAI) Society, IIIT Dharwad
- President of Velocity (Web Development Club), IIIT Dharwad
- National Level Lawn-Tennis Player
- Photographer

PROJECTS

Sarathi (Safe Zone Detection for UAV) — Python, ML, CV

The SARTHI system enables a UAV to ensure a safe landing in an emergency situation using automatic safe landing zone detection. I worked on the Gabor filters, Compressed Sensing, Markov Chain Code and Chi Square Techniques.

Covid-19 Mortality Prediction   — Python, ML, DL, Data Viz

In this project we predict the mortality prediction of the Covid-19 patients due to the various factors like ast alt, alc, d-dimer, alp, crp etc. The dataset is highly confidential and is taken from one of the premier hospitals in Karnataka.

Tera&Tech (ML-based house predictor) — Python, Flask, Machine Learning

It is a Machine Learning based house predictor for the people who buy houses taking a Home Loan.

SMS Spam Classifier — Python, NLP, Machine Learning

It is a NLP based spam classifier using various techniques like BagOfWords, TF-IDF, Stemmer, Lemmatization and Multinomial Naive Bayes.

Fruit Image Classifier — Transfer Learning, Keras, VGG16, DL

I used the Fruits 360 dataset and VGG16 which is a pretrained CNN. Data Augmentation techniques were also implemented in order to fit the model more accurately. The fitting takes a lot of computational power and time.

Camp+— Flutter, AWS, NodeJs, MongoDB, S3

An application to track the various systems in the campus such as the Mess System, Delivery System, Canteen, Gate Tracker and many more.

Chitran— MySQL, ReactJS, ExpressJS, NodeJS, Python

A website to track the various crime statistics of India. The data is parsed from the government source, cleaned and then interpreted in the form of charts. .