YASH TANK

IT engineering student with knowledge of coding, mathematics and project management

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EXPERIENCE

Summer Trainee
TechMicra IT Solution

May 2019 – July 2019   Ahmedabad, India

- Worked on Machine learning and Deep learning algorithms in Python.
- Learned about data reprocessing, data manipulating, JSON parsing, Mathematics behind ML DL algorithms and its implementation.
- Successfully implemented Face Recognition, eye detection model using OpenCV-Python.
- Libraries used: Sklearn, pandas, numpy, OpenCV-Python, matplotlib, Keras

PROJECTS

First Eye
Nirma University

January 2020 – Ongoing

- Description – Created a deep learning model for helping out blind people identifying sign-boards, medicine name on the wrapper, shop names. Model was able to detect text in 10 different languages and was trained on ICDAR-2017 scene text detection dataset. Detected text was then recognized and spoken out for ease in identification for blind people.
- Techs: Computer Vision, Google text-to-speech API, OpenCV, East text detection, Pytesseract

Movie Recommendation System
Nirma University

July 2019 – December 2019

- Description – Implemented Movie Recommendation Model using sentiment analysis. Made use of Matrix factorization with aspects with an account of movie's rating, and reviews written for the movie as well. Model was trained on IMDB dataset with about 150K text reviews with movie rating.
- Tech and Libraries: NLP, JSON, NLTK, numpy, matplotlib, sklearn

Image Editor
Nirma University

January 2019 – May 2019

- Description – Created Desktop application for image editing and manipulation. App was created using JavaFX with more than 40 filters and image adjustments tools.
- Tech and Libraries: JavaFX, JHlabs API, Core Java

CERTIFICATES

Design and Analysis of Algorithms
NPTEL, August 2018 – No Expiration Date

Problem solving through programming in C
NPTEL January 2018 – No Expiration Date

TECHNICAL SKILLS

- Development

Skill	Level
Java	●●●●●○
Python	●●●●○○
C	●●●●○○
HTML/CSS	●●●○○○
Java Script	●●●○○○
OpenCV	●●●○○○
Oracle DB	●●●○○○
Micro controller	●●●●○○
AWS	●●○○○○

- Development Tools – IDE

IntelliJ   VS Code   Jupyter notebook
Colab   Scene Builder   Arduino IDE

AREAS OF INTEREST

- Data Structures and Algorithms
- IOT
- OOP
- ML/DL
- Full Stack Development
- Physics

HOBBIES

Astrology   Hockey   Snooker
Indian Mythology   Photography

EDUCATION

B.Tech. in Information Technology
Nirma University

August 2017 – Present   GPA: 8.33/10

HSC from GSHSEB board
PV Modi School

June 2015 – March 2017   Score: 86%

SSC from GSEB board
Sarvodaya School

June 2014 – March 2015   Score: 84%

LANGUAGES

Language	Level
English	●●●●●○
Hindi	●●●●●○
Gujarati	●●●●●○

OTHERS

- Managing Director of Infocrats (official IT club of Nirma Uni.)