Hriday Purohit

Student

Trying to Develop Financial Engineering Models based on Artificial Intelligence and Machine Learning Algorithms.

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EDUCATION

Bachelor's in Engineering (Computer Engineering)
Thadomal Shahani Engineering College

06/2017 - Present

Courses
- BE Computer Engineering
  Mumbai University

HSC 12th Maharashtra Board
Pace Junior Science College

05/2015 - 05/2017

Courses
- HSC 12th Science Curriculum

IGCSE 10th Board Examination
Rustomjee Cambridge International School and Junior College

06/2007 - 03/2015

Courses
- IGCSE 10th Board Curriculum

INTERNSHIPS

Intern Trainee
Yes Bank Limited.

12/2019 - 12/2019   *Gurugram, Haryana, India*

Achievements/Tasks
- CRM Lead Conversion Model, using ML.
- Applied different ML Models to the given problem statement.

Intern Trainee
Yes Bank Limited.

06/2019 - 06/2019   *Gurugram, Haryana, India*

Achievements/Tasks
- Understanding and working on APIs, the usage of Google's Geocoding API to help geocode a large set of customer accounts to gain accurate locations(and other details) for further usage.

Intern Trainee
Yes Bank Limited.

12/2018 - 12/2018   *Gurugram, Haryana, India*

Achievements/Tasks
- Usage Pattern of Channels using Machine Learning on Apache Spark. Did Data Engineering using Spark and HIVE to prepare the channel usage data. Implemented distributed Linear Regression over usage data of every user for determining the best fit curve and extract features from the curve using Spark MLib. Used Logistic Regression to categorize the usage of the customer into one of the 8 categories using Python. Platform- Hadoop and Cloudera

SKILLS

Python   PySpark & Pandas   Machine Learning

Hadoop & Cloudera   Java   C   HTML   APIs   SQL

Adobe Photoshop   Adobe Lightroom   MS Office

PERSONAL PROJECTS

Banking Program
- Created a banking system that can support multiple users, that can deposit, withdraw and transfer funds from one account to another.

NBA Fantasy League
- NBA Fantasy League Database model.

Promoting Hollistic Nutrition for Health Workers of POSHAN ABHIYAAN
- Designed a system(web application) for health workers to monitor and trigger alarms if some women/child have not come for upcoming dose. Additionally, if mobile number of the patient is registered then provide notification to them to get the doses.
- Usage of the Google Geocoding API to get a visual overview of all the health workers' locations and their data collected.

Facial Attendance Software
- Used a haar cascade classifier model to help identify the frontal face of an individual.
- The program will take in the details of a new user, store it in a csv, then take a set of images as an input for that user. This can be done for multiple users.
- The program will detect the face of the user using a live camera, based on the training images and will log them in.

Drowsiness Detection
- Used a haar cascade classifier to help detect the face, left eye and right eye of the individual.
- Used a model that was trained on 8000 images of open and closed eyes in different lighting conditions.
- The program plays an alarm if your eyes are detected shut, can have various real life applications.

Sudoku Solver
- Using Backtracking to solve any given sudoku as an input.
- Trying to convert the code into a game, which solves the sudoku and classifies it into categories such as easy,medium,hard on the basis of the solving time.

Contactless System (08/2020 - Present)
- To create a "Contactless System" a.k.a a virtual mouse which is based on colour,gesture and object recognition that will in turn replace a physical mouse.
- Trying to implement a new feature that will help zoom into the user's fingertips based on the distance he/she is away from the camera, this will help keep the range of motion done by the user's fingertips, constant and independent of the distance.
- This is our plan of action and this project will be made in our final year, this was designed specially keeping Covid-19 in mind.

CERTIFICATES

Fundamentals of Deep Learning for Computer Vision
NVIDIA

Udemy - Python Data Structures
Data structures in python.

ACHIEVEMENTS

TSEC MIC (Media Information and Communication)
 (07/2019 - Present)
Photographer & Designer

Computer Society of India (04/2018 - 03/2019)
Publicity and Design Head

TechNext 2018
Managed a two-day technical fest in the college (TechNext 2018) with a footfall of 1400.

SYNC 2019
Mentored juniors in the creation of Projects, helped organise the event.

Regional Mathematics Olympiad 2016
Qualified to 2nd round

MARS Spelling BEE
Qualified to the Interational Round

Karate
1st Dan Black Belt

DSO Football
Finished 2nd

DSO Chess
Finished 3rd in my category

Smart India Hackathon - College Hackathon
Ranked 6th

CERTIFICATES

Stanford Machine Learning Course
A machine learning course taught by Andrew Ng.

VOLUNTEER EXPERIENCE

Charter Board of Director Marketing & Sports
Rotaract Club of Bombay Mahakali Heights

07/2020 - Present   *Mumbai, India*
Tasks/Achievements

- A BOD at RCMBH, pushing forth & helping in projects such as Sakhi (Promoting Menstrual hygiene and distributing free pads to iunderpriveledged women and children)
- Project Vikramghad (Tree plantation project, planning to plant 2000 saplings in Vikramghad taluka)
- Project Sukoon (promoting mental health awareness)

Volunteer
TSEC Green Army

Mumbai, India
Tasks/Achievements

- Tree Plantation Drive

Volunteer
TSEC Green Army

Mumbai, India
Tasks/Achievements

- Wall Painting on "Environmental Awareness" at the Bandra Railway Station

Volunteer
Project Chirag - Rustomjee Cambridge International School

Mumbai,India
Tasks/Achievements

- Installing solar panels i.e lights and chargers in rural villages.

INTERESTS

| Fitness | Programming | Reading | Football |

| Photography | Martial Arts | Chess | Debates |

| Designing |

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

French
Elementary Proficiency

REFERENCES

Rajat Kanwar Gupta
"Senior President,Business and Digital Technology Solutions, Yes Bank Ltd."