

# Hriday Anup Purohit

Student

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



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github.com/hr1day 🐙

## 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

## WORK EXPERIENCE

### 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 MLlib. 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

### Java 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 Holistic 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.

### Image Classifier

- Used a Convolutional Neural Network to classify the animal in the image as a dog or a cat.

### Face Detection Software

- Created a code to detect single or multiple faces when in front of the camera.
- The software recognised the eyes of a user and is further being developed to create the next project.

### Drowsiness Detection

- Ongoing project using the previous "Face Detection Software" to check for the eye size and calculate the drowsiness level of a user.

### 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.

## CERTIFICATES

### Fundamentals of Deep Learning for Computer Vision

NVIDIA

### Udemy - Python Data Structures

Data structures in python.

### Stanford Machine Learning Course

A machine learning course taught by Andrew Ng.

### Udemy : The Complete Web Developer

Web Development Course

## 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*

## VOLUNTEER EXPERIENCE

**Volunteer**

**TSEC Green Army**

*Tasks/Achievements*

– Tree Plantation Drive

**Volunteer**

**TSEC Green Army**

*Tasks/Achievements*

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

## INTERESTS

Fitness

Competitive Coding

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."*