Hriday Purohit

Data dictated, analytical and outcome driven professional working on Machine Learning, Hadoop and Data Analytics. To make data driven organizations realize their dreams.

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INTERNSHIP EXPERIENCE

YES Bank Ltd., Gurugram, India — *Mid Semester Intern*

YES Bank is the **6th largest** 'full service commercial bank' in India, offering a comprehensive suite of products and services to its corporate, SME and retail customers. With over 23000 employees, 1100+ branches and its Total Assets of **$34.6 Billion** , with Advances of **$23.04 Billion.**

CRM LEAD CONVERSION MODEL (Internship #3)

- ✓ Applied different ML Models to the given problem statement.
- ✓ This ML model ranks the leads created in the bank based on certain hyperparameters. Thus, letting the RM's know which leads to prioritize over others based on their predicted conversion percentage.

GEOTAGGING ADDRESSES (Internship #2)

- ✓ 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.
- ✓ These accurate locations would help direct customers to the bank's ATM and branches, which would facilitate convenient banking and customer delight.

DESCRIBING USAGE PATTERNS OF CHANNELS USING MACHINE LEARNING (Internship #1)

- ✓ Usage Pattern of Channels using Machine Learning on Apache Spark. Performed 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
- ✓ This model would help predict the attitude of the user towards the bank based on his/her usage. This helped increase customer retention by alerting RM's of customer's usage fatigue of the bank's services.

EDUCATION

Thadomal Shahani Engineering College, Mumbai
Bachelor of Engineering (Computer Engineering)

JUNE 2017 - PRESENT

B.E. Computer Engineering from University of Mumbai

Rustomjee Cambridge International School, Mumbai
International General Certificate for Secondary Education

JUNE 2007 – MAY 2015

IGCSE 10th Boards from Cambridge University

SKILLS

- ✓ Python
- ✓ PySpark & Pandas
- ✓ Machine Learning (SciKit-Learn, Mllib, Apache Spark)
- ✓ Cloudera Hadoop
- ✓ Java
- ✓ C
- ✓ HTML & CSS
- ✓ APIs
- ✓ SQL
- ✓ Adobe Photoshop
- ✓ Adobe Lightroom
- ✓ MS Office

COURSES

- ✓ **Fundamentals of Deep Learning for Computer Vision**
  Nvidia
- ✓ **Udemy - Python Data Structures**
  Data Structures in Python
- ✓ **Stanford Machine Learning**
  A Machine Learning course taught by Andrew Ng.

ACHIEVEMENTS & EXTRA CURRICULAR ACTIVITIES

- ✓ **TSEC MIC (Media Information and Communication) (07/2019 - Present)**
  Photographer & Designer
- ✓ **Computer Society of India (04/2018 - 03/2019)**
  Assistant Public Relations Officer. Managed TechNext 2018 (2 day technical fest in college with a footfall of 1400)
- ✓ **Smart India Hackathon - College Hackathon**
  Ranked 6th
- ✓ **Karate 1st Dan Black Belt**
- ✓ **Creator of TSEC Prospectus 2020**

PROJECTS

Contactless System (08/2020 - Present)

- ✓ To create a "Contactless System" a.k.a a virtual mouse which is heavily reliant on mathematics and image processing.
- ✓ 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, 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 is being made in our final year, this was designed specially keeping Covid-19 in mind.

Promoting Holistic Nutrition for Health Workers of POSHAN ABHIYAAN

- ✓ Poshan Abhiyaan is a government scheme that helps feed malnourished, underprivileged kids in rural areas of India.

- ✓ Designed a system (web application) for health workers to monitor and trigger alarms if some women/child have not come for an upcoming dose. Additionally, if a 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 python's OpenCV library to take a live snapshot of the user, this was compared to a previous given photo of the user using python's Face Recognition library.
- ✓ The program will instantly append the user's name/roll number with the exact time of entry, into a CSV file.

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, and 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

VOLUNTEER EXPERIENCE

- ✓ **Charter Board of Director Marketing & Sports**
  (05/2020 - Present)
  Rotaract Club of Bombay Mahakali Heights
  1. A BOD at RCMBH, pushing forth & helping in projects such as Sakhi (Promoting Menstrual hygiene and distributing free pads to underprivileged women and children)
  2. Project Vikramgad (Tree plantation project, planning to plant 2000 saplings in Vikramgad taluka)
  3. Project Sukoon (promoting mental health awareness)
- ✓ **Project Chirag**
  Installing solar panels i.e lights and chargers in rural villages.
- ✓ **TSEC Green Army**
  1. Tree Plantation Drive
  2. Creating Environmental Awareness by painting artwork on the Railway Station.

INTERESTS

- ✓ **Fitness**
- ✓ **Photography**
- ✓ **Chess**
- ✓ **Football**

LANGUAGES

- ✓ **English**
  Full Professional Proficiency
- ✓ **Hindi**
  Native or Bilingual Proficiency

REFERENCES

- ✓ **Rajat Kanwar Gupta**
  Chief Digital Officer,
  Xebia
- ✓ **Dr. Satvinder Madhok**
  Director, Global Technology Infrastructure,
  Barclays Bank