Harsh Bhamore

B.Tech – Chemical Engineering - IIT (ISM), Dhanbad

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EXPERIENCE

PredictivEye Inc, Work From Home — *Data Science Intern*

NOVEMBER 2019 - PRESENT

- Built a Customer Support BOT from scratch on AWS LEX.
- Worked on performing A/B Tests incorporated with Reinforcement Learning.
- Built production level models using ECR, Sagemaker, DynamoDB, Lambda, and EC2.

Continual Engine, Bengaluru, Karnataka — *Deep Learning Intern*

JUNE 2019 - JULY 2019

- Table Detection in Document Images using Object Detection API and Detectron.
- Document Segmentation using OpenCV and Python.

Quest Global Technologies, Indore, Madhya Pradesh — *SDE Intern*

MAY 2018 - JULY 2018

Worked on the "MedicalChain" project mentioned below. The main language used was Python.

MAIN PROJECTS

Intelligence BOT using Amazon Lex — *PredictivEye Inc*
Using Amazon Lex, AWS Lambda, and DynamoDB, built a BOT that can detect a user's sentiment, his intention and then accordingly plan the course of action. This BOT collects the user's sentiment and then performs the needed analysis.

Customer LTV Prediction — *PredictivEye Inc*
Built a deep learning model that uses retail and demographic data to predict the upcoming Lifetime Value for a customer. The model is based on the LSTM framework.

Document Segmentation — *Continual Engine*
Wrote a Python script using OpenCV that takes n number of images as input, draws bounding boxes across several segments like paragraphs, header, footer, images, etc.

Fake News Detector — *Self Project*
Using Kaggle Dataset, made a model based on LSTM & Gated Recurrent Unit (GRU) that determines whether a news article is reliable or not. The model achieved an accuracy of 97%.
Project Link:- Fake News Detector

EXTRACURRICULARS

- Video Shooting / Editing and Swimming

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — *B.Tech Chemical Engineering*

JULY 2016 - MAY 2020 **CGPA – 7.13***

SKILLS

- **Languages:** C++, Python, JAVA
- **AWS:** EC2, Lambda, Lex, DynamoDB, Athena, ECR, SageMaker
- **Machine Learning:** Computer Vision, NLP, Predictive Modelling, Neural Networks
- **Libraries:** TensorFlow, Keras, OpenCV, scikit-learn, Numpy, Pandas, Flask

ADDITIONAL PROJECTS

Sentiment Intensity Score — *PredictivEye Inc*
An LSTM model built on Stanford Sentiment Dataset, which provides a score between 0 and 1 that represents the positivity of the sentence.

Table Detection in Document Images — *Continual Engine*
Built model based on Tensorflow Object Detection API for detecting tables in document images. Achieved an accuracy of 80%.

Shakespeare Style Sonnet Writer — *Self Project*
Built a deep learning model that writes Shakespeare style sonnets and poetry. The model was trained using the LSTM framework.
Project Link:- Poetry Generation

Campaign Cost Prediction — *PredictivEye Inc*
Built a deep learning model based on Google Analytics Data that predicts the optimized Cost per Campaign (CPC) bid of a digital campaign for the next day(s) using the LSTM network. Deployed the model on AWS SageMaker using Docker and AWS SageMaker.

PROFILES

- **LinkedIn:- harsh-bhamore**
- **GitHub:- dranzerblaze**