Ram Ramrakhya

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EXPERIENCE

InMobi — *Software Engineer*

June 2018 - Current

Working on implementing targeted content delivery system, content personalization system using machine learning techniques and data pipelines for processing large scale analytics data.

CloudCV — *Google Summer of Code' 19 Mentor*

February 2019 - Current

Working as a mentor for Google Summer of Code students.

CloudCV — *Google Code-In Student Mentor*

October 2018 - January 2019

Worked as a mentor for Google Code-In participants.

CloudCV — *Google Summer of Code Intern*

April 2018 - August 2018

Worked on designing a collaborative platform for building, visualizing and training deep learning models via simple drag and drop interface.

InterviewBit — *Software Engineering Intern*

January 2018 - June 2018

Designed and implemented SQL programming language judge and dashboard for interview pipeline on the InterviewBit platform.

NVIDIA — *Intern*

July 2017 - May 2018

Worked on designing automated test suites for NVIDIA's video encoders.

PROJECTS

EvalAI

January 2017 - November 2017

EvalAI is an open source web application that helps researchers, students and data-scientists to create, collaborate and participate in various AI challenges organized round the globe.

Courses

Fast.ai - Deep Learning for Coders - 1 & 2

CS231n - Convolutional Neural Networks for Visual Recognition

Machine Learning by Stanford University - Coursera

SKILLS

C, C++, Java, Python, Ruby

Caffe, PyTorch, Keras and Tensorflow

HTML, CSS, Javascript

Django, ReactJS, Ruby on Rails, Django-Channels

AWS & Azure services

Docker, MongoDB, SQL Server, Oracle and MySQL

ACHIEVEMENTS

Ranked 59th in **Kaggle's** PetFinder.my Adoption Speed Prediction Challenge

Ranked 74th in **Kaggle's** iMet Collection - FGVC 19

Ranked 2nd in InMobi ML Hackathon

Ranked 27nd in Hackerearth September SQL Challenge' 17

Fabrik
September 2017 - August 2018

Fabrik is an online collaborative platform to build, visualize and train deep learning models via a simple drag-and-drop interface. It allows researchers to collaboratively develop and debug models using a web GUI that supports frameworks like Caffe, Keras and Tensorflow.

Humpback Whale Identification
December 2018 - February 2019

A Siamese Neural Network model designed to classify whale species using whale fluke images. Problem involved classifying whale fluke to one of 5005 categories with imbalanced data.

Airbus Ship Detection
September 2018 - October 2018

A deep neural network model designed to detect ships from satellite imagery. This model is based on U-Net architecture which detects ships from aerial images and creates a bounding box around detected ships.

Glance Content Recommender
November 2018 - January 2019

A content recommendation system built using an ensemble of LightGBM and Deep + Shallow Neural Network for personalized content delivery. Model uses custom user & content features to rank the content based on past interactions on Glance app.

iMet Collection FGVC6
March 2019 - June 2019

Built a fine grained visual categorizer for multi-label classification of artworks from metropolitan museum of art using Squeeze-and-Excitation Networks.

Publications

Fabrik - A Collaborative Neural Network Editor
Link - https://arxiv.org/abs/1810.11649

EDUCATION

Pune Institute of Computer Technology, Pune — *Bachelor of Engineering*
August 2015 - June 2018, **GPA - 4.00/4.00**

Ranked 32 in Hackerearth Christmas Circuits' 16

Ranked 118th/250 teams at ACM-ICPC Amritapuri Regionals 2017

PROFILES

Github: Ram81

Kaggle : axel81

Codechef : axel_81

Hackerrank : Ram81

Hackerearth : ram119

LinkedIn : Ram Ramrakhya

Google Scholar : Ram Ramrakhya