Ram Ramrakhya

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EXPERIENCE

InMobi — *Software Engineer*

June 2018 - Current

Working on implementing targeted content delivery system, designing AWS data pipelines for processing large scale data for analytics.

CloudCV — *Google Code-In Student Mentor*

October 2018 - Current

Working as a student mentor designing tasks for Fabrik project and guide new contributors in contributing to project.

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.

Hackerearth — *Problem Setter*

October 2017 - March 2018

Worked with hackerearth for designing competitive coding problems.

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

CS231n - Convolutional Neural Networks for Visual Recognition

Machine Learning by Stanford University - Coursera

PROGRAMMING LANGUAGES

C, C++, Java, Python, Ruby

Caffe, Keras and Tensorflow

HTML, CSS, Javascript

Django, ReactJS, Ruby on Rails, Django-Channels

Servlets and JSP

Docker, MongoDB, SQL Server, Oracle and MySQL

ACHIEVEMENTS

Ranked 2nd in InMobi ML Hackathon

Ranked 27 in Hackerearth September SQL Challenge' 17

Ranked 32 in Hackerearth Christmas Circuits' 16

Ranked 39 in Morgan Stanley Campus Codeathon 2017

One of Top 120 Teams at ACM-ICPC Amritapuri Regionals 2017

Fabrik
September 2017 - Current

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 importing, editing and exporting networks written in widely popular frameworks like Caffe, Keras and Tensorflow.

Network Traffic Classification Tool
March 2017 - April 2017

A tool designed to classify the network traffic in real time using deep packet inspection and machine learning into one of the four categories - Normal Web Traffic, P2P Traffic, VPN Traffic, TOR Traffic.

Plant Seedling Classification
January 2018 - March 2018

A deep neural network model designed to differentiate a weed from crop seedling. This model classifies images of plants into one of the 12 species given at different growth stages.

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 - Current

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

Publications

Fabrik | SysML 2019
A Collaborative Neural Network Editor | Under Review
Link - https://arxiv.org/abs/1810.11649

EDUCATION

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