Ankush Bhatia

I'm a Computer Science Engineer with a knack for Machine Learning. 3 Publications in AI, Recommender Systems and Contextual Document Similarity, respectively.

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EDUCATION

Bachelor of Technology - Computer Engineering
Charotar University of Science and Technology, Anand, Gujarat

2013 – 2017   *First Class*

RELEVANT WORK EXPERIENCE

Engineer
Qualcomm

04/2019 – Present   *Hyderabad, Telangana*
Achievements/Tasks

- Part of the Machine Learning Group at Qualcomm. Working on the Android Neural Network API HAL merchant layer for Qualcomm.

Machine Learning Developer
Clik Technologies Inc. (Clik.ai)

09/2017 – 03/2019   *Gurugram, Haryana*
Clik.ai is Canadian Fintech startup creating an automated process of loan underwriting and lease abstraction.

Achievements/Tasks

- Developed a new algorithm for Tabular data extraction and rent roll extraction from PDFs or Images and a search engine for querying over a thousands of financial documents.

Machine Learning Developer
Praktice.ai

12/2016 – 09/2017   *Bangalore, Karnataka*
Praktice.ai is a healthcare tech startup which is creating chatbots and voicebots for hospitals which will serve as a receptionist.

Achievements/Tasks

- Being one of the early employee, I developed entire ML Infrastructure for the startup.
- Created entire Intent-Entity Recognition system for the rule based chat bot and a voice authentication module for voice bot.

PUBLICATIONS

Artificial Intelligence - Making an Intelligent personal assistant
Indian Journal of Computer Science and Engineering, 2015

Community Detection for the cold start problem in personalization
16th IEEE CIT International Conference, 2016

Two Layer Earth Mover's Distance over Latent Topics and Word2vec for document similarity
Applied for publication

SKILLS

Algorithms   C/C++   Data Structures

Discrete Mathematics   Machine Learning

Natural Language Processing   Python   Django

AWS   Flask

PROJECTS

Community-Detect
- A graph clustering python module based on my publication. Hosted at PyPi with more than 500 downloads.

Messi
- Messi is an Intelligent personal assistant that controls my entire system through text, gestures and voice. Wrote a paper describing how i optimised memory of a rule based bot.

DocSearch
- Developed a more accurate document similarity algorithm for a corpus of large documents using EMD over Latent Topics.

Keywords
- Keywords is a python module for extracting keywords from a document using a corpus. Algorithm was far superior than textrank. It is hosted at PyPi.

Finger Detection
- A project which is in-turn part of my Messi where I developed an algorithm for detecting hand on live camera with openCV and Python.

Sarah/Praktice/Elth
- Sarah was a voice bot and praktice and elth were chatbots which I developed for my work at Praktice.ai

Clik.ai (Rent Roll/Docu.ai)
- Docu.ai is a search engine for querying over thousands of financial documents which I developed for my time at Clik.ai.

ACHIEVEMENTS

ACM ICPC Asia Regionals - Amritapuri - 2016
Ranked 42nd out of 400+ teams that qualified for asia regionals.

ACM ICPC Asia Regionals - Kharagpur - 2015
Ranked 49th out of 200+ teams that qualified for Asia Regionals

Online Judges
Ranked in top 100 of a long contest by Codechef. Highest rating 1881 in Codechef. Solved 132 problems on spoj and ranked among top 1k in the world

Google's Hidden FooBar Challenge
Completed all 5 levels of Google's secret FooBar Challenge.