

Ankush Bhatia

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

EDUCATION

Bachelor of Technology - Computer Engineering

Charotar University of Science and Technology, Anand, Gujarat

2013 – 2017

First Class

RELEVANT WORK EXPERIENCE

Machine Learning 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

C/C++

Data Structures/Algorithms

Machine Learning

Natural Language Processing

Python

Web frameworks (Django/flask)

Git

AWS

Recommender Systems

Information Retrieval

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.

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.

NNHAL

- Developed hardware abstraction layer for optimizing hardware accelerators for deep learning models.

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.