



Nitin Yadav

Software Engineer | ML Enthusiast

3+ years of experience in Backend Technologies and Machine Learning in a startup environment | Masters in Computer Science | ML Specialization | Strong Quantitative Analysis and Problem Solving skills with ML Solutions | Looking for a ML Engineer/ Data Scientist Position.

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📍 Hardoi Uttar Pradesh, India

🌐 linkedin.com/in/nitin-yadav-856724106

WORK EXPERIENCE

Software Engineer

OLX Group

07/2018 - Present

Bengaluru

Waahjobs and Olx People - Online end-to-end recruitment marketplace connecting employers, consultant and job seekers for jobs across hierarchies in an organization.

Achievements/Tasks

- **Hybrid Recommender System using Machine Learning**: Architecture Design, Development and Deployment (Content Based Model + Collaborative Filtering Model + Rule Base Engine). *CNN, Transfer Learning, NLP, BERT, BOW, Sentence Embeddings, Document Embeddings, Transformers, Elasticsearch.*
- **Automation Task**: E2E Deployment of **Captcha Recognition Service** using transfer learning (Fast AI and deep ResNets with more than 94% prediction accuracy) for the Automation of Employee Registration Process on ESIC and EPFO portal. *Fast API, Flask, Transfer Learning, Image Pre-processing, Docker, Kubernetes*
- **Auto Screening of Applications** on the platform with 52 lacs of candidates and 2.4 lacs of jobs registered on it: Increasing screening capacity to 68k apps per month from 9k apps/month. **81% screening automated, with reduction in avg screening time from 3 days to 6 hours, leading to a cost saving of \$100k/year.**
- Experience of **Building, Training and Fine tuning ML Models** (*Application Classification Model and Application Score predictor with 0.91 F1 Score and 0.44 MSE*) from scratch. **Extraction of feature Vectors** from a Trained ML Model. **Automation of ML Model Training and Vector/ Embeddings Extraction and Storage task.**
- Experience in writing **web scraping scripts, quantification tools for recommender system, resume parsing, keywords extraction, feature engineering, EDA** (exploratory data analysis) and **data visualization**. *pandas, numpy, matplotlib, seaborn, regular expressions, text pre-processing, nlp-techniques, beautiful soup, sentence transformers* etc.
- Experience of **working with different stake holders as a team in a startup environment**. *Data Scientist, Frontend Engineers and Project Managers.*
- Rule Based Recommender System - **E2E Development and Deployment of Recommendation Engine Microservice** containing rule based logic for **providing Similar Jobs, Matching Jobs to a Candidate, Matching Candidates for a Job**, which serves over 1.61M requests every week with 230 P95 latency on the Aasaanjobs portal with more than 5.2M registered candidates.

Contact: Navneet Chaudhary - Data Scientist - 7411288828

COURSES, INTERNSHIPS & PROJECTS

Elective Courses studied in Masters - Machine Learning & Advance Image Processing.

Sound Event Recognition using Local Spectrogram Features and the Generalized Hough Transform.

Performance Evaluation for TCP SACK in Wireless Environment on NS-3.

Implementation of modified TFTP by applying Huffman Coding Compression Technique using Priority Queue (HEAP) data structure.

EDUCATION

M. Tech. (Computer Science & Engineering)

NITK Surathkal

06/2016 - 06/2018

B. Tech. (Computer Science & Engineering)

Dr. AITH Kanpur (AKTU, Lucknow)

06/2012 - 06/2016

TECHNICAL SKILLS

Python

DJANGO

FLASK

FAST API

POSTGRES

ELASTICSEARCH

Redis

Celery

GIT

JIRA

DOCKER CONTAINERS

KUBERNETES

GCP

Google Colab

KERAS

JUPYTER NOTEBOOKS

Tensorflow

Golang

PANDAS

NUMPY

Deep Learning

CNN

Transfer Learning

NLP

ACHIEVEMENTS, CERTIFICATES AND EXTRA CCA

GATE Percentile - 99.07

E-certificate of participation & attending Google Cloud OnBoard: Big Data & Machine Learning.

Member of COMPUTER SOCIETY OF INDIA(2012-14).

Participated in ALETHAC 2013 college tech-fest & Organized and Coordinate the CYBERGATE-LAN GAMING tournament in Tech-fest 2015 in college.

Participated in 21 st YOUTH PARLIAMENT 2008-09 in Kendriya Vidyalaya Kashipur on 4 th OCT.

Successfully Completed the Adventure camp from ATAL BIHARI VAJPAYEE INSTITUTE OF MOUNTAINEERING & ALLIED SPORTS MANALI (H.P.) covering 85 km in 15 Days.

Gold Medal in Discuss Throw and winner Football Team at the college SPORTS events in the year 2014 & 2015.

INTERESTS

Listening to Music

Reading Research Papers

Bodybuilding

CounterStrike

Watching Sci-Fi Movies