

Machine Learning Engineer Seeking Remote Work

Khushpreet Sandhu

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Profile Summary

- Passionate for learning new technologies and a proving experience of **5.4+ years, Pursuing Master's of Technology**
- Experience in developing predictive models with **Deep learning, Machine learning** using **Python**. Deep learning includes **CNN, LSTM, RCNN**
- Implementing **BERT, Simple transformers, Word Embedding, Seq2Seq** for performing **NLP** tasks
- Applying **Image classification, Object detection** using **Opencv, Tensorflow, YOLOv3**
- Skilled in frameworks - **Keras, TensorFlow, Sklearn**, Data Mining - **Pandas, Numpy**, Data visualization – **Matplotlib, Scipy**
- Experience of working along with **Research and development** team for creating **out of box model** which can be consumed by customer as **plug and play solution**
- Experience of working as an **individual contributor** and mentoring fellow team members on machine learning problems, performing code reviews, documentation
- Experience in **software development life cycle -agile**
- Experience of working on large dataset using **Hadoop**, using **C#, SQL**
- **Deploying** Machine learning models into production using **Docker** and **Kubernetes, Heroku** , other cloud platforms – **AWS, GCP**
- Experience **with git hub, Jira** and other version controlling , project management tools, **Automl** platforms – **datarobot, keras pipeline, nni**
- Practice recommended **coding conventions, standards** ,testing, motivating team for good work
- Experience of working and collaborating with **multi-functional teams** working in different time zones, Participating in hackathons
- Experience of working in startup

Technical Skills

Python	Data Structures	Deep Learning
Regression	Statistics	LSTM
Classification	Opencv	Transformer
Natural Language Processing	Computer Vision	Anomaly detection
AWS	Customer churn	Time series forecasting

Education

Master of Technology (Machine Learning)	BITS Pilani	(2019-2021)Pursuing
Bachelor of Technology (Computer science)	RTU	2011-2015

Work Experience

Company – UiPath (2019-current)

Role – Machine Learning Engineer

- Created a **Out of box model** to perform **KYC** on Indian **government** documents, built using **Simple Transformer** and **Roberta** as a multi class text classification, giving close to 85% of accuracy, demonstrated by presales team, got 4+ deals from Indian clients
- Built retrainable out of box model to perform **object detection** using **YOLOV3**, **near 85%** accuracy, demonstrated by pre sales, marketing team, off with 3+ clients, many more in discussion
- Built **employee on boarding + background verification** assistant using **Alexa** and **Hand gesture recognition**, started as a pilot in internal HR team, hackathon winning solution, presented in aws conference
- Created innovative solutions around **COVID** which were used by marketing team and posted on our website - **Mask detection** using **TensorFlow**, **time series analysis on number of Covid cases** using **LSTM**, Covid, pneumonia detection using **lungs images**
- Built Resume filtering model using **logistic regression** as a POC used by internal HR team

Company – KPMG

(2017-2019)

Role – Associate 2

- Worked with **LSTM** techniques for text classification and **identification** of various types of accounts in **financial documents**

- Worked with state-of-the-art model like **Bert** for problem related to text classification and Sentiment analysis
- Built an advanced solution where extracting date, money, person name from financial documents using **Stanford NLP** and automated 40% volume of manual efforts
- Created **Drive Maintenance** Bot – Python script was used to maintain a shared file server which has huge dump of data added every day using certain business logic

Company – Mphasis

(2015-2017)

Role –Associate Software Engineer

- **Automated HR process involving web application** where process of updating of employee performance/role details, reduced AHT by 45%
- Automated process where Client had a CRM application where manual updation of client details was being done, **reduced AHT by 60%**
- Automated server monitoring process for a client, automating other business involving web api, applications, mainframe etc

Certificates and Trainings

GAN Specialization

Introduction to Data Science using Python

Applied Machine Learning in Python

Object detection Yolo

Learning AI for security

Applied Machine Learning

UiPath Certified Robot developer

Deeplearning.ai

Coursera Michigan University

Coursera Michigan University

Udemy

LinkedIn

LinkedIn

UiPath

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