Tapan Khandelwal
Machine Learning Engineer

Dedicated and passionate learner seeking a position to leverage skills in an end-to-end Machine Learning Production Environment with a keen focus on time-bound delivery and knowledge enhancement

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WORK EXPERIENCE

Machine Learning Engineer
Infosys Pvt. Ltd.

10/2019 - Present   *Mysore*

Projects/Tasks

- **Azure Automated Data Movement:** Worked on an Agile integrated Azure Cloud project which requires some expertise in Azure Databricks (Python). In Databricks environment, developed a Python script which moves the production data from the blob storage to a Persistent database, which is triggred through an python Flask API (deployed on Azure Kubernetes Services), which in backend uses Databricks Jobs REST API to trigger Databricks Notebook execution. There are few other parts of this project which includes some deployments on Azure Kubernetes Service and Azure Container Registry.
- **MLOps on Google Cloud Platform (Exploration):** Automate the process of deployment of Machine Learning Models to production environment through GitHub. And monitor the deployment through Kubeflow.
- **Uber's Ludwig (Exploration):** An open-source toolbox built on top of TensorFlow that allows developer to train and test Deep Learning Models without the need to write code.
- **RASA Healthcare Chatbot:** Applied Natural Language Processing to develop a Human-like chat experience for the users in which the bot asks the user about their health and the symptoms they are suffering from and based on all the criterias it suggests user what disease he/she might be suffering from and also suggests specialist and some medications.

Full Stack Python Developer (Internship)
Telenext Systems Inc.

05/2019 - 07/2019   *Hyderabad, India*
Telenext Systems is a young company attempting to bring a fresh lease of life into the aging telecom VAS ecosystem.

Projects/Task

- **Wildlife Surveillance and Anti-poaching monitoring system:** The scope is to monitor CCTV feeds from multiple cameras installed in the forest area and present the video feeds to operator teams who would be able to quickly raise an incident in the integrated system. The incident would generate an alert the relevant field personnel who would reach the location of the incident immediately. ↗

EDUCATION

B.Tech in Electronics and Communication
Government Engineering College Ajmer

07/2015 - 05/2019   *Ajmer, Rajasthan*

SKILLS

Machine Learning   Natural language processing   Deep learning   Python   Google Cloud Platform   Docker   Kubernetes   Flask   Azure Cloud Services   Agile

ACHIEVEMENTS

IEEE Ajmer Section Branch's Chairperson (2017 - 2018)

Participated in "EngiNX 2017" (IoT based Innovation event)
Organized by "Tata Consultancy Services" and got selected in top 150 teams from approximately 10,000 teams across the country.

PERSONAL PROJECTS

Bandwidth Aggregator (SIH 2018 Project)
(03/2018 - 06/2018)
- Was trying to built a device which works on the principle of Frequency Division Multiplexing where we connect more than one internet connection and it aggregate all the frequencies and give a single internet connection of combined bandwidth.

Line Follower/Seguidor (2017 - 2018)
- It is a robo-car which has an IR sensor through which it detects the colour of the track. This car was designed to move either on white or black line, and this was done by coding it on Arduino Board.

CERTIFICATES

Machine Learning A-Z™: Hands-On Python & R In Data Science (07/2021) ↗

Infosys Certified Machine Learning Professional ↗

Infosys Global Agile Developer Certificate ↗

Line Seguidor (Robotics) (2016)
Achieved 2nd position in the competition held at IIT Jodhpur out of 60 Teams

Line Follower (Robotics) (2015 - 2016)
Won the competition held at Government Engineering College Ajmer for back to back 2 years

INTERESTS

Sketching   Painting   Trekking   Technology