Sowmya Yellapragada

CONTACT DETAILS https://sowmya.de/ | Github | Linkedin | sowmyayellapragada@gmail.com

EXPERIENCE

GoPuff, Remote, Germany | JUNE 2020 - CURRENT

— Senior Machine Learning Engineer

Developed **MLOps infrastructure** to deploy multiple models via microservices to facilitate real-time serving. Established MLOps best practices across the organization and automated the training and deployment of ML models.
Worked on setting up event-based data pipelines in multiple cloud computing environments.
SKILLS: MLOps, Java, gRPC, Kubernetes, Docker, MlFlow, TorchServe, Xgboost

— Data Scientist

Built ML models to improve the quality of estimated time of arrival predicted by the routing engine.
SKILLS: Java, Python, Analytics, Feature engineering, Machine Learning

Daimler Mobility Services GmbH, Berlin, Germany | APRIL 2019 - JUNE 2020

— Data Scientist

Worked on building machine learning models to predict real-time road statistics such as turn costs, speeds, and personalized routing using position updates from user data.
SKILLS: Python, PySpark, PyTorch, Analytics, Feature engineering, Machine Learning

Uber Technologies Ltd, California, USA | MAY 2018 - AUG 2018

— Machine Learning Intern

Analyzed taxi GPS data to identify cases of fraud due to GPS spoofing. Built a supervised learning model to predict cases of fraud.
SKILLS: Python, Feature engineering, Machine Learning

Zoomcar Pvt Ltd, Bangalore, India | JULY 2015 - JULY 2017

— iOS Software Developer

Built and maintained an iOS application that received over a million active monthly users. Developed new features, and handled software updates, patches, and bug fixes.
SKILLS: Objective-C, Swift

PROJECTS

Cloud removal in RGB satellite data [blog at ruumi.io]

Built a deep learning model to detect clouds in satellite imagery and accurately im-paint the scene underneath the clouds while ensuring image recency.
SKILLS: Python, PyTorch, Data scraping, Deep Learning

Collaborative filtering based Recommendation Systems using Graphical Models

Implemented and compared probabilistic inference based graphical models such as Restricted Boltzmann Machine, Deep Belief Network, Sparse Denoising and Variational Autoencoders for recommending movies to users based on preferences of similar users.
SKILLS: Python, PyTorch, Deep Learning

EDUCATION

Georgia Institute of Technology

Atlanta, GA

— MSc. Computational Science and Engineering
AUG 2017 - DEC 2018

Birla Institute of Technology and Sciences (BITS)

Pilani, India

— MSc. Mathematics
— B.E Manufacturing Engineering
AUG 2011 – AUG 2016

CONFERENCES

Ada-Lovelace conference for Women in Tech, 2019

PATENTS

Predicting ETA based on historical route data