Sowmya Yellapragada

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

EXPERIENCE

rideOS, Berlin, Germany — *Senior Software Engineer - Data*
AUGUST 2021 - CURRENT

Worked on setting up event based data pipelines in both Azure and GCS environments to capture user position data and router predictions for downstream analysis.
SKILLS: Java, JavaScript, Golang, Google Cloud & Azure Pub/Sub

rideOS, Berlin, Germany — *Data Scientist*
JUNE 2020 - AUGUST 2021

I was responsible for investigating the accuracy of the estimated time of arrival predicted by the router and the actual time of arrival. This involved building and maintaining active dashboards for monitoring, feature engineering and building ML models to predict ETA improvements.
SKILLS: Java, Python, Analytics, Feature engineering, Machine Learning

Daimler Mobility Services GmbH, Berlin, Germany — *Data Scientist*
APRIL 2019 - JUNE 2020

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 — *Machine Learning Intern*
MAY 2018 - AUG 2018

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

Zoomcar Pvt Ltd, Bangalore, India — *iOS Software Developer*
JULY 2015 - JULY 2017

Built and maintained iOS application that received over a million active monthly users. Developed new features, handled software updates, patches, and bug fixes for time-sensitive projects while considering business and system requirements.
SKILLS: Objective-C, Swift

PROJECTS

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

Built a deep learning model to detect thick clouds in satellite imagery and accurately impaint 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 — Participated as a speaker