

Sowmya Yellapragada

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[Github](#), [LinkedIN](#)

EXPERIENCE

rideOS, Berlin, Germany — Senior Software Engineer – Data

JUNE 2020 - CURRENT

- Worked in routing team towards improving routing and eta predictions
- Built, deployed and maintained services for data capture and preprocessing
- Built data analysis dashboard for clients and internal teams to convey the performance of our routing services

Daimler Mobility Services GmbH, Berlin, Germany — Data Scientist

APRIL 2019 - JUNE 2020

- Improved routing and eta predictions
- Built machine learning models to predict real time road statistics such as transition or turn costs and speeds.
- High focus on data analysis and preprocessing with PySpark

Center for Spatial Planning Analytics and Visualization, Atlanta, USA — Graduate Research Intern

AUG 2018 - MAR 2019

- Developed an interactive iOS application for location intelligence and geospatial navigation that is specifically targeted for the visually challenged

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
- Built a supervised learning model to predict cases of fraud especially in the case of cancellations

Zoomcar Pvt Ltd, Bangalore, India — iOS Software Developer

JULY 2015 - JULY 2017

- Built and maintained application that saw over a million active monthly users
- Developed new features, handled software updates, patches, and bug fixes for time-sensitive projects while considering business/system requirements.

PROJECTS

Super resolution and cloud removal on sentinel-2 satellite data

Implemented a deep learning model to super resolve sentinel satellite images to 2x and 6x resolution. Extended this model to further detect thick clouds and learn the underl

Collaborative filtering based Recommendation Systems (Movielens dataset) using Graphical Models

Implemented and compared probabilistic inference approaches such as Restricted Boltzmann Machine, Deep Belief Network, Sparse Denoising and Variational Autoencoders for collaborative filtering in recommender systems.

SKILLS

Python, Pytorch, Tensorflow, PySpark, AWS, Docker, Azure, Kubernetes, Hive, Swift, Objective-C, SQL, C++

EDUCATION

Georgia Institute of Technology, Atlanta GA — Masters in Computational Science and Engineering (3.8/4.0, Max: 4.0, US scale)

AUGUST 2017 - DECEMBER 2018

Birla Institute of Technology and Sciences (BITS), Pilani, India — MSc in Mathematics BE (Hons.) Manufacturing Engineering (7.83/10.0, Max: 10.0, Indian Scale)

AUGUST 2011 - AUGUST 2016

PERSONAL DETAILS

Born - 17th July 1994,
Secunderabad, India
Age - 27 years
Nationality - Indian

CONFERENCES

[Ada-Lovelace conference](#) for Women in Tech, 2019 — Participated as a speaker