

# Sowmya Yellapragada

**CONTACT DETAILS** <https://sowmya.de/> | [Github](#) | [Linkedin](#) | [sowmyayellapragada@gmail.com](mailto:sowmyayellapragada@gmail.com)

## EXPERIENCE

**GoPuff, Remote, Germany** | JUNE 2020 - CURRENT

— Senior Machine Learning Engineer

Developed **MLOps infrastructure** to deploy models in production for real-time serving. Worked on setting up event-based data pipelines in multiple cloud computing environments.

*SKILLS: MLOps, Java, gRPC, Kubernetes, Docker, MIFlow, TorchServe, Xgboost*

— Data Scientist

Worked on improving the quality of estimated time of arrival predicted by the routing engine. 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** | 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. 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** | 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 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](https://blog.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](#)