



Prashanth Swaminathan

An enthusiast for deep learning in computer vision. I strive to build end to end pipelines making AI meet SAAS to solve real world problems. Pythonista with a drive to build products with great design.

Education

Oct '16 - Present M.S in Informatics, Technical University of Munich

Master thesis: Deep learning based quantification of spine deformations in 3D CT scans

- Built a deep learning based model to detect scoliosis in real clinical dataset. Deployed the pipeline from data cleaning to quantification of cobb angle. Successfully defended the thesis with a 1.0 grade
- *Courses:* Deep learning, Machine learning, Advanced Software Engineering, Augmented reality, 3D User interfaces

Jul '09 - May '13 B.Tech in Computer Science, Amrita University, India

Achievements:

- "Overall performance award" 2009-2013, Dept of CS, Amrita University

Experience

Oct '19 - Present Machine learning engineer - Voxelgrid GmbH, Munich.

- Building the pipeline for creating automated facade and floor plans using deep learning.
- Product owner of the facade plan creator and Surveyor. Managed junior engineers in SLAM and frontend development.

Tech-stack:

- PyQ5, SLAM (Cartographer), Python, Pytorch, Microservices, Flask, Celery, Vuejs, Docker

Jul '17 - Dec '18 Data Scientist - Work student, Sixt GmbH, Munich.

- Developed a machine learning model to predict the optimal way to de-fleet cars across DACH region

Achievements:

- Rewarded with a special cash remuneration for my contribution in building a fast test-feedback collecting platform for Data Science

Aug '13 - Jun '16 Senior Software Engineer, Robert Bosch, Bangalore, India

- Worked on HMI for Infotainment systems for leading OEMs.
- Mentored a team of Associates in onboarding them to the toolchain and coached three batches of new associates engineers.

Achievements:

- Received the "Young Achiever award" 2014-2015
- The product was showcased in CES 2015 and CES 2016, and also won the "CES 2016 Innovation Award"

Personal Info

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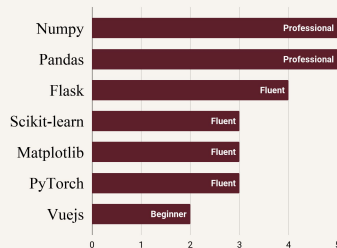
<https://linkedin.com/in/byteofprash/>

Tech skills

Programming languages



Libraries



Languages

- English.....Fluent
- Tamil.....Native
- German.....Basic (A2.2)

Other Interests

- ◉ Photography ◉ Carpentry ◉ Reading
- ◉ Cooking

Accomplishments

- Regional Finalist in the ICPC programming competition 2011
- Delivered lecture on 'Demand based public transportation and smarter traffic signals' at the TEDx, Coimbatore