Prashanth Swaminathan

A tech enthusiast with a love for solving problems. Work in the intersection of high tech solving real business problems. Believe that complex problems often have simple solutions when communicated effectively.

Experience

Nov '21 - Present

Senior Solutions Engineer - Twilio Germany GmbH

A trusted advisor to the customer in helping them make the right tech decisions that suits their business need. In order to achieve that,

- *Discovery*: Discovering the need of the customer. Understanding their technical pain points and future needs.
- *Draw*: Create a solution for how the customer's needs can be satisfied with Twilio's products.
- *Demo*: Show the customer a PoC on how their vision can be achieved.
- *Distribute*: Author blog posts on best practices around Twilio products
- *Make the product better*: Be a liason to the product team to make them better understand the needs of the customer to better the product.

Oct '19 - Oct '21

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.

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

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 associate engineers.

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

Jul '09 - May '13

B.Tech in Computer Science, Amrita University, India

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

Personal Info

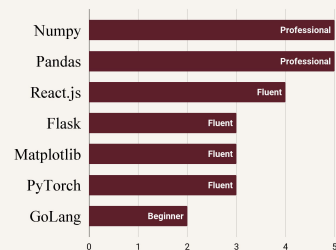- 📞 +49 176 65045681
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- ✉ prash2912@gmail.com
- https://github.com/byteofprash
- https://linkedin.com/in/byteofprash/

Tech skills

Programming languages

Language	Level
Python	Professional
C++	Fluent
Javascript	Fluent
Golang	Beginner

Libraries

Library	Level
Numpy	Professional
Pandas	Professional
React.js	Fluent
Flask	Fluent
Matplotlib	Fluent
PyTorch	Fluent
GoLang	Beginner

Languages

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

Other Interests

⊙ Photography ⊙ Carpentry ⊙ Reading ⊙ Cooking

Accomplishments

- Co-founded a public speaking organisation "Lightning Talks Munich" and ran that for 3 years
- Regional Finalist in the ICPC programming competition 2011
- Delivered lecture on 'Demand based public transportation and smarter traffic signals' at the TEDx, Coimbatore