

Sathyaprakash Narayanan

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Education

University of California, Santa Cruz.

Sep 2022-2024

Masters in Electrical and Computer Engineering

Teaching Assistant: Python Programming; Signals and Systems

Anna Univeristy; RMD Engineering College, Chennai

Jun 2014- Apr 2018

Bachelors of Engineering, Electronics and Communication

Cumulative GPA: 8.14/10 [3.47/4] (WES Certified)

Work Experience

• Machine Learning Scientist II

Oct 2021- April 2022

Lytx

Bangalore, Karnataka, India

- * Training/Deployment of compute-friendly DL/ML models for hardware
- * Model Pruning/Quantization/Knowledge Distillation/Model Compression
- * Development of ML/DL models/signal processing pipelines for mmwave Radar

• Research Associate

Dec 2017- Sep 2021

NeuRonICS Lab, DESE Department.,

Indian Institute of Science, Bangalore

- * Real-Time Object Detection and Localization in Compressive Sensing Video **ICIP 2021**
- * N-HAR: A neuromorphic event-based human activity recognition system using memory surfaces **ISCAS 2019**
- * Real-time implementation of proto-object based visual saliency model on NVIDIA Jetson TX **ISCAS 2019**
- * n-EAR: Neuromorphic Ego motion vehicle Activity Recognition **US Patent App. 17/377,761**

• Teaching Assistant and Support for Deep Learning Certificate Program

Dec 2018- Dec 2019

Great Learning, Bangalore

- Responsible for developing content for assignments and in course code-walkthroughs
- Conduct one-to-one online support and doubt clarification sessions
- Review and Evaluate coding assignments

Technical Skills:

• Machine Learning • Deep Learning • Computer Vision • Model Compression/Model Pruning/Quantization • Pytorch
• Tensorflow • MLOps/AIOps • Git • MATLAB • Python

Responsibilities

Reviewer

- WACV 2019, 2020, 2022, 2023
- TPAMI IEEE Transactions on Pattern Analysis and Machine Intelligence