Yeshwanth Venkatesha

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EDUCATION

YALE UNIVERSITY
PhD in Electrical Engineering
2020 - Present | New Haven, CT, USA

IIT KHARAGPUR
B Tech in Computer Science
2013 - 2017 | Kharagpur, WB, India

JNV BANGALORE URBAN
12th Standard - PCMB
2013 | Bangalore, India

VENTURES

WITLORE
2015-16 | Kharagpur, WB, India
Knowledge-sharing web app in the model of a social network.

ZUFALPLAY
2015 | Kharagpur, WB, India
Web-based interactive platform to reward users' free time.

LINKS

LinkedIn:// yeshwanth-venkatesha
Github:// @yeshwanthv5
Google Scholar:// Yeshwanth-Venkatesha
Twitter:// @yeshwanthv55
Quora:// Yeshwanth-Venkatesha

COURSEWORK

Advanced Machine Learning
Artificial Intelligence
Intelligent Game Design
Parallel and Distributed Algorithms
Computational Biophysics

SKILLS

Programming Languages:
Python • C/C++ • Shell • JavaScript
ML Tools:
TensorFlow • Caffe • PyTorch • Pandas
Web Technologies:
HTML • CSS • JS • MySQL • AWS

RESEARCH INTERESTS

Neural Architecture Search • Model Compression • Federated Learning • Deep Reinforcement Learning • Computer Vision

EXPERIENCE

WALMART LABS | Data Scientist
June 2019 - Present | Bangalore, KA, India
- Reinforcement Learning Models for Ad personalization in Search.
- User behavior analysis with respect to sponsored products on search results.

SAMSUNG R&D INSTITUTE | Software Engineer
June 2017 – June 2019 | Bangalore, KA, India
- Neural network model optimization with pruning and quantization.
- Efficient neural network architecture search methods.
- Tensorflow/Caffe backend to custom hardware.

SAMSUNG R&D INSTITUTE | Student Trainee / Intern
May 2016 – July 2016 | Bangalore, KA, India
- Standalone testing module of IP Multimedia System stack on LTE network developed at Samsung Modem Group.

CHALKSTREET | Product Architect Intern
May 2015 – July 2015 | Bangalore, KA, India
- Payment gateway for all the transactions on the platform. Email automation. Pattern recognition in server traffic to develop an efficient auto-scaling plans.

RESEARCH

INTELLIGENT COMPUTING LAB - YALE | PhD Student
2020 – Present | New Haven, CT, USA
Working with **Prof Priya Panda** to explore opportunities of Spiking Neural Networks as a low-power alternatives to traditional Deep Learning particularly in Federated Learning.

AWARDS & SCHOLARSHIPS

2018	Finalist	Samsung Best Paper Award (SBPA)
2017	2nd Runner-Up	ACM Kolkata Best B. Tech Dissertation Competition
2013	All India Rank - 342	IIT Joint Entrance Exam (JEE Advanced)
2013	Scholarship	Kishore Vaigyanik Protsahan Yojana (KVPY)
2011	Scholarship	Dakshana Foundation
2009	Scholarship	National Talent Search Examination (NTSE)

PUBLICATIONS & PATENTS

[1] O. Chakraborty, V. Yeshwanth, P. Mitra, and S. K. Ghosh. Multi-objective based road-link grading for health-care access during flood hazard management. In O. Gervasi, B. Murgante, S. Misra, E. Stankova, C. M. Torre, A. M. A. Rocha, D. Taniar, B. O. Apduhan, E. Tarantino, and Y. Ryu, editors, *Computational Science and Its Applications – ICCSA 2018*, pages 277–293, Cham, 2018. Springer International Publishing.

[2] Y. V, A. Deshwal, S. Krishnadasan, S. Lee, and J. Song. Sparse cnn architecture search (scas). In *2020 IEEE International Conference on Multimedia and Expo (ICME)*, pages 1–6, 2020.

[3] Y. Venkatesha, S. Krishnadasan, and A. Deshwal. Method and system with deep learning model generation, Apr. 2 2020. US Patent App. 16/549,299.