Meghana Venkata Palukuri https://meghanapalukuri.github.io/	meghana@oden.utexas.edu +1 512-203-2675	🥮 Oden Insti	of Texas at Austir itute for Co ng and Scie	mputational
	EDUCATION	Engineerii	ig und beie	irees
Program	Institution	GPA	YEAR	RANK
M.S. & Ph.D Computational Science, Engineering & Mathematics B.Tech (<i>Hons</i>) & M.Tech - Chemical Eng.	The University of Texas at Austin	3.76/4	2022	-
	Indian Institute of Technology Madr	as 8.94/10	2017	2
P	Professional Experience			
• Graduate Research Assistant, UT Aust	tin Ph.D. Thesis: ML methods for netwo	ork community	detectio <mark>o</mark>	Jun 2018+
■ Developed Super.Complex - Auto-ML p	pipelin <mark>799</mark> % accuracy). Formulating deep	RL algo for NF	-hard subg	graph search
 Applied Scientist II Intern, Amazon (I 		0	-	- Aug 2021
 Accurately estimated delivery route pro- 	oductivity w AutoML petected road ne	etwork commun	ities for ma	ny use-cases
 Applied Scientist II Intern, Amazon (I 	Brands Ex en roject: Substitute I	Product Recomn	ıender Jun	- Aug 2020
 Built product embedding space based on 	n catalog text mio & performed nearest neig	hbor search for	substitutes	(Recall)
• Cloud Software Engineering Intern, S	chlumberger Project: Time-Serie	s Operations	Jun	- Aug 2019
■ Deployed on Google Cloud - a Domain	Specific Language in Scala, for custom ca	lculations with	real time-s	eries data.
• (, IITMMaster's Thesis: Human	bio-chemical reaction network analysis for	r treating autisn	n <mark>[Paper</mark> C	2016-17
■ Developed nstrained pareto-optimi	ization algorithms and etrics for optim	al reaction netw	ork flow d	istribution.
SELEC	CT CONFERENCES (GOOGLE SCHOLAR	<u>R</u>)		
	\ <u>\</u>			
• Talk,"Intelligent subgraph search for o		t learning", SL	AM MDS	(2020)
g g <u>r</u>	communities with deep reinforcement	•		` '
• Talk ,"Super.Complex: An ML pipelin	communities with deep reinforcemen t ne for community detection in network SKILLS	s", TACCSTEI	R Symposi	ium (2019)
 Talk ,"Super.Complex: An ML pipelin Coding: Python (scikit-learn, nltk, network) 	communities with deep reinforcement ne for community detection in network SKILLS kx, pandas, pyspark, faiss), C++ (MASA, P	ETSc), R (tidyve	R <i>Symposi</i> erse), Matla	<i>dum</i> (2019)
 Talk ,"Super.Complex: An ML pipelin Coding: Python (scikit-learn, nltk, networl & ML, Optimization, ODE Solvers), Scala, L 	communities with deep reinforcement ne for community detection in network SKILLS kx, pandas, pyspark, faiss), C++ (MASA, P Latex, Linux & HPC (at TACC), Github. Ex	ETSc), R (tidyve	R Symposi erse), Matla ls, C, Java, G	ium (2019) b (Statistics C#, Arduino
 Talk ,"Super.Complex: An ML pipelin Coding: Python (scikit-learn, nltk, networl & ML, Optimization, ODE Solvers), Scala, L Courses: Reinforcement Learning, Bayesia 	communities with deep reinforcement ne for community detection in network SKILLS kx, pandas, pyspark, faiss), C++ (MASA, P Latex, Linux & HPC (at TACC), Github. Ex nn Deep Learning, Pattern Recognition, Gra	ETSc), R (tidyve posure: autotoo	R Symposi erse), Matla ls, C, Java, G	Sum (2019) Ab (Statistics C#, Arduino
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VR Designed spatial augmented reality at Envisage, India's largest student tech show (2000+ people) Coding Windows App(C#): Wardrobe Assistant- despends suggestions 2016 Microsoft-24hr Code.Fun.Do Hackathon Robotics Coded locomotion for autonomous transwheel robot 2013 Asia-Pacific Robot Contest (Robocon)

AWARDS & HONORS

• O'Donnell Fellowship & General ISSS Financial Aid Award by UT Austin towards research. 2018-20

• KVPY Fellowship (Dept. of Science & Technology, India) & C.A. Sastri Endowment Award (IITM) 2012-17