

PURVANSHI MEHTA

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EDUCATION

- University of Rochester, Rochester, New York, USA** Aug '19 - Dec '20
M.S. in Data Science
- B.E. Software Engineering, *India* July '14 - June '18

RESEARCH & INDUSTRY EXPERIENCE

- Amazon Alexa AI** May '20 - Sep '20
Applied AI Scientist Intern Sunnyvale, California
- Working on pre-training Graph Neural Networks for NLP tasks.
- NeuralSpace** June '18 - July '19
Applied Machine Learning Engineer London, U.K.
- Uncertainty estimation using Probabilistic Deep Learning Models(Bayesian Neural Networks).
- Deep Multimodal Fusion, TU Kaiserslautern, Germany** Jan '18 - June '19
Deep Learning Research Intern under Prof. Marius Kloft Kaiserslautern, Germany
- Proposed novel l_p norm multimodal fusion technique along with an iterative batch norm which removes noise from modalities relative to the prediction problem.
- Maths Word Problem Solving IIIT Hyderabad** May '18 - July '18
Research Intern under Prof. Manish Shrivastava Hyderabad, India
- DNN approach to solve arithmetic word problems with SOTA (+7%).
- Twitter bot and gender classification MindGarage** Jan '19 - June '19
Volunteer Researcher under Prof. Marcus Liwicki Kaiserslautern, Germany
- Semantic and syntactic feature extraction from tweets to classify bots vs human.
- Productivity Reporting and Analysis System L'Oreal** Aug '15 - Feb '16
Lead Software Developer Baddi, India
- Automated and analysis of data generated in the factory. System is being used by 300 factory workers.

TECHNICAL SKILLS

Python, C, Matlab, NumPy, TensorFlow, Keras, Pytorch, scikit-learn, pandas, Matplotlib, Pytorch-Geometric, PySpark, Networkx

PUBLICATIONS

- ProbAct: A Probabilistic Activation Function for Deep Neural Networks - [arXiv-2020](#) (Under review)
- Author Profiling Using Semantic and Syntactic Features - [CLEF-2019](#)
- Deep Neural Network based system for solving Arithmetic Word problems - [IJCNLP-2017](#)

ACHIEVEMENTS

- Session chair **ECML (European Conference on Machine Learning)**(2020)
- Awarded the **NRT (National Research Traineeship) fellowship** funded by the **NSF (National Science Foundation)** (2019)
- Second position in **Women in Engineering IEEE stand** for ISolveMath (2017)
- State Champion Badminton (Participation at National Level)** (2008-11), Intra-University North Zone Champion(2014-15)