

VISHNU TEJA KUNDE

Phone: (+1) (979)-326-9785

vishnukunde@tamu.edu

EDUCATION

- **Doctorate** in Computer Engineering, Electrical and Computer Engineering
Texas A&M University, College Station, Texas *Fall 2022-Present*
CGPA: 4/4
- **Master of Technology** in Signal Processing, Electrical Communication
Indian Institute of Science, Bengaluru, India *July 2022*
CGPA: 9.4/10, Class rank 2
- **Bachelor of Technology** in Electrical and Electronics
National Institute of Technology, Warangal, India *May 2020*
CGPA: 9.1/10, Class rank 2

COURSEWORK

- **Electrical Engineering:** Information theory, Error control coding, Detection & estimation, Digital & wireless communications, MIMO signal processing, Communication systems design, Wireless networks.
- **Mathematics:** High Dimensional Probability, Measure theory, Advanced convex optimization, Algebra-I, Random processes, Matrix theory, Queueing theory, Linear and non-linear optimization, Game theory.
- **Computer Science:** Reinforcement Learning, Deep Learning, Pattern Recognition and Neural Networks, Analysis of algorithms.

PUBLICATIONS

- Vishnu Teja Kunde, Vicram Rajagopalan, Chandra Shekhara Kaushik Valmeekam, Krishna Narayanan, Srinivas Shakkottai, Dileep Kalathil, Jean-Francois Chamberland. *Transformers are Provably Optimal In-context Estimators for Wireless Communications*. Preprint on arXiv, to appear in AISTATS, 2025.

RESEARCH INTERESTS

- Learning theory, Information theory, Coding theory, Control and optimization, Stochastic modeling.

PROFESSIONAL EXPERIENCE

- **Interim Engineering Intern** at Qualcomm, Wireless R&D, Bengaluru, Summer 2021.
- **Teaching Assistant** for Random Processes, Department of ECE, IISc, Bengaluru, Fall 2021.

AWARDS AND HONORS

- A **Masters fellow** of Centre for Networked Intelligence (CNI), Indian Institute of Science.
- **Merit Scholarship** for academic excellence, Electrical and Electronics Engineering, National Institute of Technology, Warangal, 2016-2020.
- **All Indian Rank 179** in Electrical Engineering, **Graduate Aptitude Test for Engineering, India**, 2020.
- **All Indian Rank 6646** in **Joint Entrance Examination-Mains**, 2016.

COMPUTER PROFICIENCY

Programming Languages C++, Python
Softwares \LaTeX , MATLAB