# ABHILASH DHARMAVARAPU   PH.D.

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## EDUCATION

**Dept. of Electrical and Computer Engineering, Cornell University**     Ithaca, NY
*Ph.D. in Electrical and Computer Engineering*     2023 - 2028 *(expected)*
- Advisor: Prof. Jayadev Acharya
- Research area: Quantum Computing, Information Theory, Statistical Learning

**Dept. of Computer Science, Georgia Institute of Technology**     Atlanta, Georgia
*Bachelors of Science in Computer Science*     2019 - 2023
- GPA: 4.00/4.00

## PUBLICATIONS

1. Jayadev A., Abhilash D., Yuhan L., Nengkun Yu. Pauli measurements are not optimal for single-copy tomography. *ACM Symposium on Theory of Computing*, 2025.

2. Abhilash D., Stefano P., Jiashen C. Hyesoon K. EHT-SR: An Entropy-Based Hybrid Approach for Faster Super-Resolution. *IEEE International Symposium on Multimedia*, 2023.

## PROJECTS

**Robust Quantum State Tomography and Certification**

**Quantum State Tomography and Certification under Restricted Measurements**

## TEACHING

ECE 2720: Intro to Data Science for Engineers (Fall 2024)

ECE 2720: Intro to Data Science for Engineers (Spring 2025)

## INTERNSHIPS

**Meta** | Menlo Park, CA     2022.05 - 2022.07
- Expanded integrity job of message attachments for Facebook Messenger/Instagram privacy
- Created new validation logic on message attachment visibility on both Messenger/Instagram attachments.

**Meta** | Remote     2021.05 - 2021.07
- Built event visualization support on the most popular internal chart visualization tool.
- Created event suggestion algorithm to suggest users important events on charts.

## AWARDS AND HONORS

- **Best Student Paper**, IEEE International Symposium on Multimedia     2023.12
- **Graduation with Highest Honors**, Georgia Institute of Technology     2023.05

## SKILLS

**Languages**: English, Telugu, German

**Programming**: `Python`, `C++`, `MATLAB`, `Java`, `Javascript`.

## ACADEMIC SERVICES

**Reviewers for:** *IEEE International Symposium on Information Theory*, *IEEE Transactions on Information Theory*, *Annual Conference on Learning Theory*