## Adway Girish | ► Email | ♦ Website | ► Google Scholar | ► Full CV

Fourth-Year Ph.D. Candidate, School of Computer and Communication Sciences, EPFL Z

### **Research Interests**

### Information and coding theory; applications of probability to compression, communication and learning

### Education

MIT, Visiting Student in Electrical Engg. and Computer Science

Host: Prof. Gregory Wornell

EPFL, Ph.D. in Computer and Communication Sciences

Advisor: Prof. Emre Telatar, CGPA: 5.90/6

Indian Institute of Technology Bombay, B.Tech. in Electrical Engineering

With Honors in Electrical Engineering and Minor in Mathematics, CGPA: 9.60/10

Cambridge, USA

(sched.) Oct. 2025-Feb. 2026

Lausanne, Switzerland

Sep. 2022-present

Mumbai, India

Jul. 2018-May 2022

### **Industry Experience**

Texas Instruments (India), Internship, System Engineer

Evaluation and reduction of nonlinearities in baseband models of power amplifiers

Bangalore, India May 2021-Jul. 2021

see publications or for full list (\*, † denote equal contribution)

# Selected Publications

### Refereed conference proceedings

- A.G., S. Shamai, and E. Telatar, "On entropy-constrained Gaussian channel capacity via the moment problem," in *IEEE International Symposium on Information Theory (ISIT)*, 2025

### Awards and Academic Achievements

• EPFL Doc.Mobility grant to fund visit to MIT

[2025-26]

• Grade 6/6 (95%+) in seven graduate-level courses at EPFL

[2022-present]

• IITB Institute Academic Prize for being the second-best academic performer in the EE department

[2020-21] [2020]

• IITB Undergraduate Research Award (URA01) for work in radar signal processing

[2021, 2019]

• AP grades (top 2%) in Digital Communications, Data Analysis at IITB

[2018]

• Urvish Medh Memorial Prize for being the highest-ranked student in the EE department at IITB

[2018]

• All-India Ranks of 43 in JEE (Advanced) and 55 in JEE (Main)

[2016]

• Kishore Vaigyanik Protsahan Yojana (KVPY) fellowship from IISc following an All-India Rank of 35

[2016]

### Skills

- Programming languages and tools: Python (NumPy, SciPy, PyTorch), Jupyter, MATLAB, C++, LATEX, Git
- Languages: English, Malayalam, Hindi (fluent); French (B1)

## Teaching, Mentoring and Service

<ul> <li>Review</li> </ul>	er for conferences	and workshops:	NeurIPS	(2025), ISI	Γ (2025	. 2024	. ICML	NCW	(2023)	)
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[2023-present]

• Teaching Assistant for digital communications and information theory courses at EPFL (5 timez)

[2022-present]

• RAMP Mentor for EPFL PhD applicants, EPIC buddy for admitted PhD students at EPFL

[2023-present]

• Summer of Science mentor at IITB for signal processing, coding theory, information theory, probability

[2020-24]

• Teaching Assistant for undergraduate calculus and electromagnetism courses at IITB (4 times)

[2019-22]

• Institute Student Mentor for first-year undergraduates at IITB

[2021-22]

• Class Representative for the 2018–22 B.Tech. in EE batch at IITB

[2018-19]