Adway Girish | ► Email | ♦ Website | ► Google Scholar

First-Year Ph.D. Student, School of Computer and Communication Sciences, EPFL Z

Research Interests

Information and coding theory and applied probability, particularly with communication systems

Education

EPFL, Ph.D. in Computer and Communication Sciences (EDIC fellowship)

Semester project advisor: Prof. Emre Telatar; CGPA: 6.0/6.0 Sep. 2022 – Present

Indian Institute of Technology Bombay, *B.Tech. in Electrical Engineering* With Honors in Electrical Engineering and Minor in Mathematics; CGPA: 9.60/10

Mumbai, India Jul. 2018 – May 2022

Lausanne, Switzerland

Last updated: May 23, 2023

Publications

Conference papers:

- S. Sharma, A. G., D. Jeff, et al., "Micro-doppler parameter estimation using variational mode decomposition with finite rate of innovation," in 2022 IEEE International Conference on Signal Processing and Communications (SPCOM), 2022
- S. Sharma, A. G., N. P. Rakhashia, *et al.*, "Theoretical analysis of an inverse radon transform based multicomponent micro-doppler parameter estimation algorithm," in *2022 National Conference on Communications (NCC)*, 2022

Preprints:

• F. Z. Faizal, A. G., M. K. Hanawal, *et al.*, "ICQ: A quantization scheme for best-arm identification over bit-constrained channels," *arXiv*:2305.00528, 2023

Academic Achievements

- Secured **grade 6.0** (exceptional performance, over 95%) in all (2) courses taken at EPFL [2022 present]
- Awarded an IITB Institute Academic Prize for being the second-best academic performer in the EE department [2020-21]
- Received an IITB **Undergraduate Research Award** (URA01) for work done in Radar Signal Processing [2020]
- Secured AP grades (top 2%) in two courses at IITB Digital Communications, Data Analysis [Spring 2021, Fall 2019 resp.]
- Awarded the **Urvish Medh Memorial Prize** for being the highest-ranked student in the EE department, IITB [2018]
- Achieved All-India Ranks of 43 in JEE(Advanced) and 55 in JEE(Main) [2018]
- Selected for the **Kishore Vaigyanik Protsahan Yojana** fellowship (in Basic Sciences, initiated and funded by IISc and the Department of Science and Technology, Government of India) by securing an **All-India Rank** of **35** [2016]
- Awarded the National Talent Search scholarship (NTS) by the National Council of Educational Research and Training (NCERT), offered to around 1000 students all over India

Mentoring and Responsibility

Teaching Assistant for Principles of Digital Communications at EPFL

[2023]

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

[2019-22]

• Institute Student Mentor for first-year undergraduates at IITB

[2021-22]

Mentor for Summer of Science, IITB (signal processing, coding theory, information theory)

[2020, 2022, 2023]

• Class Representative for first-year, B.Tech. in EE, IITB

[2018-19]

Extracurriculars

• Completed an intermediate course in Table Tennis under the National Sports Organization at IIT Bombay [2018-19]

• Conferred the title of Best All-Rounder on graduation from Ryan International School, Bangalore

[2016]

• Elected to the Student Council at Ryan International School as the Deputy Education Minister

[2014-15]

• Completed 19 credits in electronic keyboard from the Trinity College of Music London

[2007-13]