



# Anubhab Banerjee

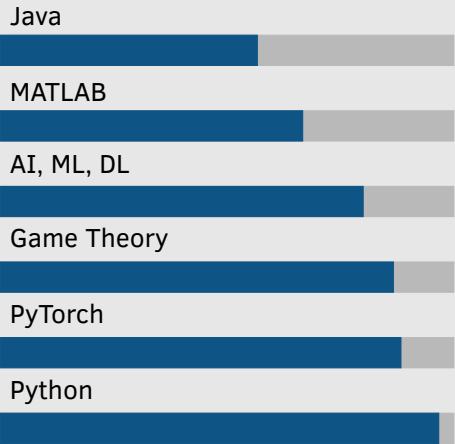
## Senior Research Specialist

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## About me

I, Anubhab Banerjee, am currently working as a Senior Researcher and Standardization Specialist (O-RAN) in Nokia. I did my B.E. from Jadavpur University (JU), India and my M.Sc. and PhD from Technical University of Munich (TUM), Germany. My primary research interests include applying game theory and machine learning in network management automation. To get a complete list of my publications and patents, please visit my [linkedin profile](#) or my [google scholar profile](#)

## Skills



(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Interests

Game Theory, Machine Learning, Deep Learning, Network and Service Management.

## Education

2019-2022	Ph.D. in Computer Science <i>Coordination, Trust and Orchestration of Cognitive, Open, Multi-Vendor Network Automation Functions</i>	TUM
2016-2019	M.Sc. Communication Engineering	TUM
2011-2015	B.E. (1st class Honours) Electronics and Telecommunication Engineering	JU

## Selected Publications

- [1] *Banerjee, A., Banerjee, B., Seetharam, A., & Tellambura, C. (2018). Content search and routing under custodian unavailability in information-centric networks. Computer Networks, 141, 92-101.*
- [2] *Banerjee, A., Mwanje, S. S., & Carle, G. (2021). Optimal configuration determination in cognitive autonomous networks. In 2021 IFIP/IEEE International Symposium on Integrated Network Management (IM) (pp. 494-500). IEEE.*
- [3] *Banerjee, A., Mwanje, S. S., & Carle, G. (2021). Towards control and coordination in cognitive autonomous networks. IEEE Transactions on Network and Service Management (TNSM).*
- [4] *Banerjee, A., Mwanje, S. S., & Carle, G. (2021). An intent-driven orchestration of cognitive autonomous networks for ran management. In 2021 17th International Conference on Network and Service Management (CNSM) (pp. 380-384). IEEE.*
- [5] *Banerjee, A., Mwanje, S. S., & Carle, G. (2021). On detection of manipulative cognitive functions in cognitive autonomous networks. In 2021 17th International Conference on Network and Service Management (CNSM) (pp. 194-200). IEEE.*

## Selected Patents

- [1] *Banerjee, A., Mwanje, S. Methods and apparatuses for determining optimal configuration in cognitive autonomous networks. US Patent App. 17/377,662. 2021.*

Total filed patents: 8  
Field: all patents in the field of network and service management

## Awards

- 2021 Student Travel Grant (STG) Award for outstanding paper in IEEE/IFIP CNSM 2021.

## Experience

2023-now	Senior Research and Standardization Specialist at Nokia Delegate: O-RAN, ETSI ZSM; BO: 3GPP SA5; Topic: CL Automation, Intent-driven management, Conflict Mitigation
2019-2022	Doctoral Researcher cognitive network management; SON; AI/ML in mobile network
2018-2019	M.Sc. Thesis Student in King's College London (KCL) Content placement in sparsely connected edge networks.
2017-2018	IT Support Assistant in Dept. of Mechanical Engineering, TUM Support and maintenance of server and cloud system
2016-2017	Research Intern at SUNY Binghamton Content search and routing under custodian unavailability in information centric networks