

Ramnath Kumar

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EDUCATION

BITS Pilani, Hyderabad Campus

Masters of Science in Economics

Hyderabad, India

Jul 2016 – Present

- . Topic: Machine Learning in P2P Lending
- . Research Supervisor: Prof. Hussain Yaganti
- . GPA in Major Subjects: 8.39/10.0 (Top 20 in class of 40)

BITS Pilani, Hyderabad Campus

Bachelor of Engineering in Computer Science

Hyderabad, India

Jul 2016 – Present

- . Achieved overall distinction in Computer Science courses
- . Topic: Temporal Dynamics and Spatial Content in IoT malware detection
- . Research Supervisor: Prof. Geethakumari
- . GPA in Major Subjects: 9.55/10.0 (Top 5 in class of 255)

RESEARCH/WORK EXPERIENCE

Amazon ML

Applied Scientist Intern

Bangalore, India

Jan 2021 – Present

- . Mentor: Dr. Gokul Swamy
- . Topic: Causal frameworks, and confounding bias.

Mila - Quebec Artificial Intelligence Institute

Research Intern

Montreal, Canada

Nov 2020 – Apr 2021

- . Research Supervisor: Prof. Samira E. Kahou
- . Affiliated University: École de technologie supérieure
- . Topic: Few Shot Learning and Theoretical Machine Learning

Qubole

Engineer Intern

Bangalore, India

Jul 2020 – Dec 2020

- . Mentor: Gururaj Krishnamurthy
- . Worked on automating the rollout process (*Frost 2.0*) for the company
- . Built a package for monitoring jobs on jenkins, and notify the user on slack upon completion
- . Wrote and managed a pipeline which analyses various internal tests, and generates ad statistics and communicated results with the core-qa team

CoCo Lab, Université de Montréal

Research Intern

Montreal, Canada

Jun 2020 – Nov 2020

- . Research Supervisor: Prof. Karim Jerbi
- . Topic: Brain based subject identification using EEG data

Kno.e.sis, Wright State University

Research Intern

Dayton, USA

May 2019 – August 2019

- . Research Supervisor: Prof. Amit P. Sheth and Prof. T.K. Prasad
- . Topic: eDarkFind: Unsupervised Multi-View Learning for Sybil account detection
- . Worked on object detection models for disaster management
- . Built an image segmentation model to aide prediction of nutritional data of food

Infibeam

Engineer Intern

Ahmedabad, India

May 2018 – July 2018

- . Mentor: Paras Pitroda
- . Developed a dynamic portal for UAE to provide various services such as renew visa, employment letter, etc
- . Created API endpoints for the project, to aide easy app deployment

SELECTED AWARDS/ACHIEVEMENTS

Invitee , Google AI Summer school, India	2020
Travel Grant , The Web Conference, Taipei (Acceptance Rate: 19%)	2020
Awardee , Innovation in Science Pursuit for Inspired Research (INSPIRE) (Acceptance Rate: 1%) (Declined)	2016
Awardee , National talent search Examination (Acceptance Rate: 0.5%)	2014
National Olympiad , SOF National Science Olympiad Qualifier (2015), SOF International Math Olympiad Qualifier (2015)	

PUBLICATIONS

- [1] Ramnath Kumar, Shweta Yadav, Raminta Daniulaityte, Francois Lamy, Krishnaprasad Thirunarayan, Usha Lokala, and Amit Sheth. “eDarkFind: Unsupervised Multi-view Learning for Sybil Account Detection”. In: *Proceedings of The Web Conference 2020*. 2020, pp. 1955–1965.
- [2] Ramnath Kumar and G Geethakumari. “Temporal Dynamics and Spatial Content in IoT Malware detection”. In: *TENCON 2019-2019 IEEE Region 10 Conference (TENCON)*. IEEE. 2019, pp. 1590–1595.

LANGUAGES

English (Native/Fluent), Hindi (Experienced), Tamil (Experienced), Japanese (Beginner)