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in Aashish Kolluri
Google Scholar

Aashish Kolluri

▬▬▬ Education

2018–2023*	**PhD**, *National University Of Singapore*, Singapore, with Prateek Saxena
2017	**BTech.**, *Indian Institute of Technology Kanpur*, India
2013	**Senior Secondary(12th)**, *Sri Chaitanya Narayana*, Hyderabad, India
2011	**Secondary(10th)**, *Narayana Olympiad School*, Hyderabad, India

▬▬▬ Key Research Interests/Topics

Differential Privacy, Graph Neural Networks, Program Analysis (Synthesis & Debugging), Blockchains.

▬▬▬ Publications

2022 Bo Wang, Aashish Kolluri, Ivica Nikolic, Teodora Baluta, Prateek Saxena, *User-Customizable Transpilation for Scripting Languages*: **Under Review**

2022 Aashish Kolluri, Teodora Baluta, Bryan Hooi, Prateek Saxena, *LPGNet: Link Private Graph Networks for Node Classification*: **CCS'22***(21.8% acc.rate)*

2022 Aashish Kolluri, Kareem Shehata, Prateek Saxena, *An Empirical Snapshot of Differential Privacy in Graph Analysis Applications*: **Under Review**

2021 Aashish Kolluri, Teodora Baluta, Prateek Saxena, *Private Hierarchical Clustering for Federated Networks*: **CCS'21***(approx 18% acc.rate)*

2021 Bo Wang, Teodora Baluta, Aashish Kolluri, Prateek Saxena, *SYNGUAR: Guaranteeing Generalization in Programming by Examples*: **ESEC/FSE'21***(24.5% acc.rate)*

2021 Shiqi Shen, Aashish Kolluri, Zhen Dong, Prateek Saxena, Abhik Roychoudhury, *Localizing Vulnerabilities Statistically From One Exploit*: **AsiaCCS'21***(18.4% acc.rate)*, **Best-paper award**

2019 Aashish Kolluri, Ivica Nikolic, Ilya Sergey, Aquinas Hobor, Prateek Saxena, Exploiting the laws of order in smart contracts: **ISSTA'19** (slides|artifact) *(20.4% acc.rate)*

2018 Ivica Nikolic, Aashish Kolluri, Ilya Sergey, Prateek Saxena, Aquinas Hobor, *Finding The Greedy, Prodigal, and Suicidal Contracts at Scale*: **ACSAC'18** (slides|artifact)*(20.1%)*

2018 Sourav Das, Aashish Kolluri, Prateek Saxena, Haifeng Yu (alphabetical order of last name), *Invited Paper - on the Security of Blockchain Consensus Protocols*: **ICISS'18**

▬▬▬ Technical skills

Advanced	Python, Z3, KLEE, Geth (Ethereum)
Intermediate	C/C++, PyTorch, TensorFlow, Solidity
Basic	Any online resource/library

Teaching

Spring 2019	**Introduction to Computer Security**, *CS 3235*
Fall 2019	**Systems Security**, *CS 5231*

Program committee

2021	**International Symposium on Information Theory**, *ISIT'21*

Achievements

2021	**Best paper award**, *AsiaCCS'21*
2018–2022	**Research Scholar Fellowship**, *National University Of Singapore*
2011–2013	**Scholastic**

- Achieved **ALL INDIA RANK 286 (99.998 percentile)** in **JEE**-Advanced **1,300,000 candidates**.
- Awarded the K.V.P.Y(Kishore Vaigyanik Protsahan Yojana) scholarship, **175th rank among 150,000 candidates**.
- Secured **146 rank (99.95 percentile)** in EAMCET.
- Secured **First Rank** district level in **S.L.S.T.S.E**

Talks & Panels

July 2021	**LPGNet: Link Private Networks for Node Classification**, *ETH Zurich*, Invited Talk
July 2021	**Private Hierarchical Clustering in Federated Networks**, *Brave Research*, Invited Talk
August 2019	**Panel - Industry/Academics after PhD: prospects and challenges**, *@ Resarch Week, NUS*, Moderator
August 2019	**Exploiting the Laws of Order in Smart Contracts**, *@ Resarch Week, NUS*, Invited talk
June 2018	**Blockchain Fundamentals - Smart Contract Security**, *@ Zilliqa*, Invited talk
May 2018	**Smart Contract Security: Hacking 34,200 Smart Contracts**, *@ Paypal Innovation Labs, Singapore*, Invited talk

Industry Experience

May 2020–July 2020	**Aqilliz**, *Edison Lim* Design of the privacy platform in Aqilliz
May 2016–July 2016	**Flipkart Internet Pvt. Ltd.**, *Vijayant Singh* Project JIRO-Anomaly Detection for Flipkart Cloud's Alerting Service

References

Prateek Saxena	Associate Professor, National University of Singapore, prateeks@comp.nus.edu.sg
Bryan Hooi	Assistant Professor, National University of Singapore, bhooi@comp.nus.edu.sg
Abhik Roychoudhury	Provost's Chair Professor, National University of Singapore, abhik@comp.nus.edu.sg