

Moin Hussain Moti

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Summary

Masters Student at IIIT-Hyderabad. Interested in learning new technologies and frameworks, and experienced in building real-life applications combining prominent features of various systems. Research interests include Blockchains, Artificial Intelligence, Game Theory and recently Spatio-temporal databases. Enjoys customizing and trying various Linux OS(s) and open-source applications, super vim-nerd too.

Education

International Institute of Information Technology, Hyderabad

B.TECH + M.SC. IN COMPUTER SCIENCE AND ENGINEERING

CGPA: 8.6

July 2015 - June, 2020

- Recipient of Research Award for the Academic Year 2018-19
- Included in the prestigious Dean's List (2015-16, 2018-19)

Publications

FaRM: Fair Reward Mechanism for Information Aggregation in Spontaneous Localized Settings

MOIN HUSSAIN MOTI, DIMITRIS CHATZOPOULOS, PAN HUI, SUJIT GUJAR

Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence (IJCAI). Pages 506-512.

Full Paper

August 2019

Civic Crowdfunding for Agents with Negative Valuations and Agents with Asymmetric Beliefs

SANKARSHAN DAMLE, MOIN HUSSAIN MOTI, PRAPHUL CHANDRA, SUJIT GUJAR

Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence (IJCAI). Pages 208-214.

Full Paper

August 2019

Aggregating Citizen Preferences for Public Projects Through Civic Crowdfunding

SANKARSHAN DAMLE, MOIN HUSSAIN MOTI, PRAPHUL CHANDRA, SUJIT GUJAR

Proceedings of the 18th International Conference on Autonomous Agents and MultiAgent Systems (AAMAS). Pages 1919-1921.

Short Paper

May 2019

Work Experience

Prof. Dimitris Papadias, Hong Kong University of Science and Technology (HKUST)

RESEARCH ASSISTANT

- Research in spatio-temporal databases (Ongoing work)

Hong Kong

Jan. 2020 - Present

Symlab, Hong Kong University of Science and Technology (HKUST)

RESEARCH INTERN

- Designed a protocol for secure and private information aggregation using inherent blockchain properties
- Developed an Ethereum Decentralized Application (DApp) on Android Framework to implement the above protocol.

Hong Kong

June 2019 - Aug. 2019

Symlab, Hong Kong University of Science and Technology (HKUST)

RESEARCH INTERN

- Performed an extensive literature survey of existing Information Aggregation (IA) Mechanisms, which included identifying all relevant characteristics of any IA mechanisms and distinguishing all existing mechanisms based on the characteristics.
- Formulated a new settings, called *Spontaneous Localized Settings* (SLS), where location specific queries are answered spontaneously.
- Defined fairness in reward distribution with respect to SLS and devised a new IA mechanism for SLS, where all agents are rewarded fairly.

Hong Kong

May 2018 - July 2018

International Institute of Information Technology, Hyderabad

TEACHING ASSISTANT

- Introduction to Game Theory (Spring 2018-19)
- Distributed Trust and Blockchains (Fall 2018-19, Spring 2017-18)
- Operating Systems (Fall 2017-18)

Hyderabad, India

August 2017 - May 2019

Notable Projects

Block in the Hole

A 3D game similar to BLOXORG with multiple levels and soundtrack.

PC Game

C++, OpenGL

Ultimate Tic Tac Toe

A 4x4x4 tic-tac-toe bot made by using Minimax alpha beta pruning.

AI Bot

Python