

Abhilash Kancharla

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Summary

Dr. Kancharla is currently working as an Assistant Teaching Professor in Computer Science department at The University of Tampa. His research interests include areas related to Blockchain, Cryptocurrency, Bigdata and Distributed

ì Introduction to Computer Science using Python - CSC 102	Fall '23 Spring '23 Fall '22
ì Computer Science using Java	Summer '21 Spring '21
ì Computer Science using Java	Summer '21 Spring '21

Publications and Research

- ì Writing a book titled - Blockchain Essentials with Vibrant Publishers. The book is directed to be a basic guide for readers without any prior knowledge of blockchain. The book is set to be published in Early Spring'24.
- ì J. Seol, J. Kim and A. Kancharla. "DRL Model for Distributed Agent-based IoT on Multi-Access Edge Computing for Accident Forecast", In: *BCD-2023: The 8th IEEE/ACIS International Conference on Big Data, Cloud Computing, and Data Science Engineering Hochimin City, Viet Nam, December 14-16, 2023.* Manuscript submitted for publication
- ì J. Dorrell, A Kancharla, and M Ambrosia. "Green Crypto Mining: A Quantitative Analysis of the Profitability of Bitcoin Mining Using Excess Wind Energy", In: *The Journal of Energy and Development, Volume 48.* Manuscript accepted, Journal to be published by end of Fall '23.
- ì Organization Committee and Technical Program Committee member for The First International Workshop on Decentralized AI using Blockchain (DAIBC2022) held on September 5-7, 2022, San Antonio, Texas. Workshop is colocated with The Fourth International Conference on Blockchain Computing and Application (BCCA 2022).
- ì J. Seol, J. Ke, S. Joshi, N. Park, and A. Kancharla. A Bivariate Performance Model across On- and O-Chain in A NFT (Non-Fungible Token) Kancharla et al. 2022. *IEEE Transactions on Blockchain*, 6(1):128-141, 2022.

ì Abhilash Kancharla, Zuqiang Ke, Nohpill Park, and Hyeyoung Kim. Hybrid Chain And Dependability .
In: *Proceedings of the 2nd ACM International Symposium on Blockchain and Secure Critical Infrastructure.*
BSCI '20. Taipei, Taiwan: Association for Computing Machinery, 2020, pp. 204 209. cmeo08sq0416011720(m)12170

ì Sustainability Editorial Office. Acknowledgment to the Reviewers of Sustainability in 2022 . In: *Sustainability* 15.5 (2023). issn: 2071-1050. doi: 10.3390/su15053932. url: <https://www.mdpi.com/2071-1050/15/5/3932>

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