Curriculum Vitae

Faculty Name: **Ahmed Abdelmoamen Ahmed**

Work Address: P.O. Box 519; MS 1060
Prairie View, TX 77446

Position Title: Associate Professor
Office Location: S. R. Collins, suite 314
Office Phone: 936-261-9876
Email Address: amahmed@pvamu.edu

Education:

Degree and Area of Study	Institution Name	Degree Date
Ph.D., Computer Science	University of Saskatchewan	August 2017
MS., Computer Science	Cairo University	June 2011
BS., Computer Science	Cairo University	May 2007

Teaching Experience

Position Title	Institution Name	Position Dates (Beginning and End)
Associate Professor	Prairie View A&M University	09/2023 – current
Assistant Professor	Prairie View A&M University	10/2017 – 08/2023
Lecturer/Teaching Assistant	University of Saskatchewan	09/2012 – 09/2017
Lecturer/Teaching Assistant	Cairo University	09/2007 – 08/2012

Selected Professional Publications

1. Ahmed Abdelmoamen Ahmed and Nneoma Okoroafor. "An ML-Powered Risk Assessment System for Predicting Prospective Mass Shooting." MDPI Computers, vol. 12, no. 2: 42, 2023; https://doi.org/10.3390/computers12020042
2. Ahmed Abdelmoamen Ahmed, Kiranmai Bellam, Yonggao Yang and Michael Preuss. "Integrating IoT Technologies into the CS Curriculum at PVAMU: A Case Study." MDPI Education Sciences, vol. 12, no. 11, pp. 1-24, 2022; https://doi.org/10.3390/educsci12110840
3. Ahmed Abdelmoamen Ahmed. "An Actor-Based Formal Model and Runtime Environment for Resource-Bounded IoT Services." MDPI Algorithms, vol. 15, no. 11, pp. 1-19, 2022; https://doi.org/10.3390/a15110390
4. Kelechi Eze, Ahmed Abdelmoamen Ahmed and Cajetan Akujuobi. "SecIoTComm: An Actor-Based Model and Framework for Secure IoT Communication." MDPI Sensors, vol. 22, no. 19, pp. 1-23, 2022; https://doi.org/10.3390/s22197313
5. Ahmed Abdelmoamen Ahmed and Anitha Palusa. "A Location-based Mobile Advertising System for Small-to-Medium Businesses." In Proceedings of the EAI MTYMEX 2021, Monterrey, Mexico, 2021. https://doi.org/10.1007/978-3-031-07670-1_1
6. Ahmed Abdelmoamen Ahmed and Sheikh Ahmed. "A Real-Time Car Towing Management System Using ML-Powered Automatic Number Plate Recognition." MDPI Algorithms, vol. 14, no. 11, pages 1–17, 2021; https://doi.org/10.3390/a14110317
7. Ahmed Abdelmoamen Ahmed and Gbenga Agunsoye. "A Real-Time Network Traffic Classifier for Online Applications Using Machine Learning." MDPI Algorithms, vol. 14, no. 8, pages 1–20, 2021; https://doi.org/10.3390/a14080250
8. Ahmed Abdelmoamen Ahmed and Gopireddy Harshavardhan Reddy. "A Mobile-Based System for Detecting Plant Leaf Diseases using Deep Learning." *MDPI AgriEngineering*, vol. 3, pages 478–493, 2021; https://doi.org/10.3390/agriengineering3030032

9. Ahmed Abdelmoamen Ahmed. "A privacy-preserving mobile location-based advertising system for small businesses." *Wiley Engineering Reports*, vol. 3, no. 11, pages 1–15, 2021; https://doi.org/10.1002/eng2.12416
10. Ahmed Abdelmoamen Ahmed and Mathias Echi. "Hawk-Eye: An AI-Powered Threat Detector for Intelligent Surveillance Cameras." *IEEE Access*, vol. 9, pages 63283–63293, 2021. DOI: https://doi.org/10.1109/ACCESS.2021.3074319. ISSN: 2169-3536.
11. Ahmed Abdelmoamen Ahmed. "On Developing a Runtime Environment for Heterogeneous Distributed Computing." *Global Journal of Engineering Sciences (GJES)*, vol. 7, no. 2, pages 1–4, 2021. DOI: http://dx.doi.org/10.33552/GJES.2021.07.000659
12. Ahmed Abdelmoamen Ahmed, Suhib Al Omari, Ripendra Awal, Ali Fares, and Mohamed Chouikha. "A distributed system for supporting smart irrigation using Internet of Things technology." *Wiley Engineering Reports Journal*, vol. 3, no. 7, pages 1–13, 2021. https://doi.org/10.1002/eng2.12352
13. Ahmed Abdelmoamen Ahmed, Abel Olumide, Adeoluwa Akinwa and Mohamed Chouikha. "A Robotic Scout UAV for Mapping Dynamic Environments at Bechtel Corporation." In Proceedings of the National Conference for Industry and Education Collaboration (CIEC '20), pages 1–20, Orlando, USA, 2020. https://doi.org/10.18260/1-2-60-38692
14. Ahmed Abdelmoamen Ahmed, Nadeem Jamali. "Opportunistic Sharing of Continuous Mobile Sensing Data for Energy and Power Conservation." *IEEE Transactions on Services Computing (TSC) Journal*, vol. 13, no. 3, pages 503–514, 2020. https://doi.org/10.1109/TSC.2017.2705685