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No. of Publication: 18

**Journal Publication:**

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**Book Chapter Publication:**

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	Sensor Technologies for Urban Environments	Diganta Bhattacharyya	978-81-974233-0-7	2024
	Smart Energy Management in IoT-enabled Cities	Diganta Bhattacharyya	978-81-974233-0-7	2024
	Adaptive Curriculum Strategies for Continuous Learning in Neural Networks	Diganta Bhattacharyya	978-93-6135-058-0	2024
	Advanced Knowledge Networks: Enhancing Representation with Semantic Relationship Analysis	Diganta Bhattacharyya	978-93-6135-058-1	2024
	Self-Awareness in AI: Meta-Reasoning Techniques for Autonomous Decision-Making	Diganta Bhattacharyya	978-93-6135-058-1	2024
	Hybrid Quantum Neural Networks: Optimizing Computational Performance in Deep Learning	Diganta Bhattacharyya	978-93-6135-058-1	2024
	Reducing Carbon Emissions in Model Training: Eco-Conscious Machine Learning	Diganta Bhattacharyya	978-93-6135-058-1	2024

Other Publication Details (if any)

**PATENT**

Title of the invention	Application No	Publication Date
1. Blockchain crowdfunding Platform	202431091485 A	29/11/2024
2. Youtube Clone Video Library	202431093720A	06/12/2024
3. Crime pattern analysis and rate prediction	202431093827 A	06/12/2024
4. Data analysis using machine learning on geo location data	202431094195 A	06/12/2024
5. Face mask detection in real time	202431095248 A	13/12/2024
6. A Heart arrhythmia prediction using Artificial neural network	202431095820 A	13/12/2024

7. Heart disease prediction from symptom analysis using machine learning	202431095834 A	13/12/2024
8. Anti-fraud system for credit card transaction using machine learning & data science	202431096209 A	20/12/2024
9. Precision in Estimation of Crop Yields using Machine Learning	202431095882 A	20/12/2024
10. Analyzing customer bank churn using ensemble learning models	202431096223 A	20/12/2024
11. Plant disease detection application	202431096218 A	20/12/2024