1. Record Nr. UNINA9910559383203321

Titolo	Progresses in artificial intelligence and robotics : algorithms and applications : proceedings of 3rd International Conference on Deep Learning, Artificial Intelligence and Robotics (ICDLAIR) 2021 / / Luigi Troiano, editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer International Publishing, , [2022] ©2022
ISBN	3-030-98531-8
Descrizione fisica	1 online resource (191 pages)
Collana	Lecture Notes in Networks and Systems ; ; v.441
Disciplina	006.3
Soggetti	Artificial intelligence Artificial intelligence - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Contents -- An Opinion Mining of Text in COVID-19 Issues Along with Comparative Study in ML, BERT &amp -- RNN -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 3.1 Data Collection -- 3.2 Pre-processing -- 3.3 Training Parameter -- 3.4 RNN Model -- 3.5 BERT Model -- 3.6 Statistical Analysis -- 4 Result and Discussion -- 5 Conclusion and Future Work -- References -- AI-ML Based Smart Online Examination Framework -- 1 Introduction -- 1.1 Facial Recognition and ML -- 2 Literature Survey -- 3 Objectives -- 4 Existing System Architecture -- 5 Proposed System Architecture -- 5.1 Results -- 6 Conclusion -- References -- Spaced Repetition Based Adaptive E-Learning Framework -- 1 Introduction -- 2 Objectives -- 3 Literature Review -- 4 Existing System Architecture -- 5 Proposed Architecture -- 6 Conclusion -- References -- Automation of Supply Chain Management for Healthcare -- 1 Introduction -- 2 Literature Review -- 3 Objectives -- 4 Existing System Architecture -- 5 Proposed System Architecture -- 6 Conclusion -- References -- The Detection, Extraction, and Classification of Human Pose in Alzheimer's Patients -- 1 Introduction -- 2 Proposed Methodology -- 3 Development of the Model -- 4 Results -- 5 Conclusions -- References -- Simulating Using Deep Learning The World Trade Forecasting of Export-Import

Exchange Rate Convergence Factor During COVID-19 -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 3.1 Data Collection -- 3.2 Long-Short Term Memory -- 3.3 LSTM Model Estimation with the Parameters -- 3.4 LSTM Model Analysis -- 4 Results and Discussion -- 5 Conclusion and Future Work -- References -- Leveraging Free-Form Text in Maintenance Logs Through BERT Transfer Learning -- 1 Introduction -- 2 Methodology -- 2.1 Dataset Preprocessing -- 2.2 Dataset Distribution, Augmentation and Splitting -- 2.3 Machine Learning Models.
3 Results and Discussion -- 3.1 Performance with and Without Data Augmentation -- 4 Conclusion -- 5 Future Work -- References -- Context-Aware Explanations in Recommender Systems -- 1 Introduction -- 2 Related Works -- 2.1 Context-Aware Recommender Systems (CARSs) -- 2.2 Context-Aware Explanations in Recommender Systems (RSs) -- 3 Our Proposition -- 3.1 Recommendation Method -- 3.2 Experiment Setup -- 3.3 Baselines -- 4 Results of Experiments -- 4.1 Statistics About the Participants and Data Obtained -- 4.2 Observations of Users' Responses -- 5 Conclusions and Perspectives -- References -- Improved Local Binary Pattern for Face Recognition -- 1 Introduction -- 2 Illustration of LBP, HELBP, MBP and HOG Descriptors -- 2.1 Local Binary Pattern (LBP) -- 2.2 Horizontal Elliptical Local Binary Pattern (HELBP) -- 2.3 Median Binary Pattern (MBP) -- 2.4 Histogram of Oriented Gradients (HOG) -- 3 Description of the Proposed Descriptor and Full FR Framework -- 3.1 The Proposed Descriptor Improved Local Binary Pattern (ILBP) -- 3.2 Full FR Framework -- 4 Experiments -- 4.1 Dataset Details -- 4.2 Feature Size Particulars of the Descriptors -- 4.3 Estimation of Recognition Rate -- 4.4 Comparison of RR with Literature Methods -- 5 Conclusions with Future Scope -- References -- Incorporating Dynamic Information into Content-Based Recommender System in Online Learning Environment -- 1 Introduction -- 2 Related Work -- 2.1 Online Learning Environment (OLE) -- 2.2 Dynamic Information -- 2.3 Recommender System (RS) -- 3 Methodology -- 3.1 DCRS Framework -- 3.2 Activity Records -- 3.3 Dynamic Learner Model -- 3.4 Resource Profile -- 3.5 Recommendation -- 4 Discussion:Dynamic Factors Integration in Content-Based Recommender System (CB RS) -- 5 Conclusion -- References -- Towards Personalized Educational Resources Recommendations for Teachers -- 1 Introduction.
2 Problem Statement -- 3 Related Work -- 3.1 Educational Data Integration -- 3.2 Educational Ontologies and Ontology-Based Recommender Systems -- 4 Approach Architecture -- 4.1 Ontology-Based Data -- 4.2 Hybrid Recommender Engine -- 5 Discussion -- 6 Conclusion and Perspectives -- References -- DEEC and EDEEC Routing Protocols for Heterogeneous Wireless Sensor Networks: A Brief Comparative Study -- 1 Introduction -- 2 Related Work -- 3 The Network Model -- 3.1 The Energy Model -- 3.2 The Heterogeneous Network Model -- 4 Simulation -- 5 Conclusion -- References -- Towards an Ontology-Based Recommender System for the Vehicle Sales Area -- 1 Introduction -- 2 Related Work -- 3 Ontology-Based Vehicle Recommender System -- 3.1 Needs for Building an Explainable RS in the Vehicle Sales Area -- 3.2 Development of an Ontology-Based Vehicle Recommender System -- 3.3 Data Gathering -- 3.4 Ontology Construction -- 3.5 Semantic Recommendations from Filtering and Reasoning -- 3.6 Recommendation Computation -- 4 Use Case Example -- 5 Conclusion and Perspective -- References -- Dominance Relation Based Ranking Procedure for Automated Reverse Auctions -- 1 Introduction -- 2 Principles of Auction Approach -- 2.1 Negotiation Algorithm -- 2.2 Bidding Process -- 3 Ranking Procedure -- 3.1

Dominance Relation -- 3.2 Partial Scores -- 3.3 Scoring Function -- 3.4 Ranking Function -- 4 Illustrative Example -- 5 Conclusion -- References -- Predicting Business Failure Using Neural Networks: An Empirical Comparison with Statistical Methods and Data Mining Method -- 1 Introduction -- 2 Related Works -- 3 Modelling Methods -- 4 Data Collection and Pre-processing -- 5 Criteria for Comparing the Models -- 6 Results -- 7 Conclusion and Future Directions -- References -- Pandemic Effect on Education System Among University Students -- 1 Introduction -- 2 Review Works.
3 Research Methodology -- 3.1 Data Collection -- 3.2 Data Pre-processing -- 3.3 Data Cleaning -- 3.4 Data Modelling -- 4 Result and Discussion -- 4.1 Confusion Matrix -- 4.2 Classification Report -- 4.3 Accuracy -- 5 Comparative Analysis -- 6 Conclusion and Future Work -- References -- Prediction of Migration Outcome Using Machine Learning -- 1 Introduction -- 2 Review Works -- 3 Research Methodology -- 3.1 Research Subject and Instrumentation -- 3.2 Data Collection Procedure -- 3.3 Data Pre-processing -- 3.4 Attributes and Feature Selection -- 3.5 Algorithm for Predicting Migration Satisfaction -- 3.6 Decision Tree -- 3.7 Random Forest Classifier -- 4 Results -- 5 Experimental Discussion -- 5.1 Descriptive Analysis -- 5.2 Experimental Results -- 6 Conclusion -- References -- Author Index.