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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2024

(21) Application No.202441073203 A

(43) Publication Date : 04/10/2024

(54) Title of the invention : IMPLEMENTATION OF MACHINE LEARNING APPROACHES FOR SUPPLY CHAIN OPTIMIZATION THROUGH HR PREDICTIVE ANALYTICS IN E-COMMERCE

(51) International classification :G06N0020000000, G06N0020200000, G06Q0010063700, G06Q0030018000, G06N0007010000

(86) International Application No :NA
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(57) Abstract :
Implementation of machine learning approaches for supply chain optimization through HR Predictive Analytics in E-commerce is the proposed invention. The proposed invention focuses on understanding the functions of HR Predictive Analytics in E-Commerce. The invention focuses on analyzing the parameters of Optimization of Supply Chain using algorithms of Machine Learning approach.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2024
(21) Application No.202441042951 A
(43) Publication Date : 14/06/2024

(54) Title of the invention : ARCHITECTURE LAYOUT DESIGN USING MACHINE LEARNING

(51) International classification	:G06K0009620000, G06N0020000000, G06N0020200000, G06N0005000000, G06Q0010060000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
ANNEXURE 3 This invention, “Architecture Layout Design Using Machine Learning” is developed to enhance architecture model using! advanced machine learning techniques. The existing model combines rule-based methods and a random forest classifier for classifying the objects. To improve the existing model, Decision Tree Algorithm has been used as the base model“ The rule—based methods are replaced, and this invention. has been developed using ensemble methods and advanced machine learning algorithms. The machine learning model is used to identify analyze design patterns and the type of Models. To improve accuracy and precision, feature engineering has been performed using correlation scores, GAN is used to develop an interactive dashboard for real—time 2D to 3D evaluation of the model’s performance.

No. of Pages : 5 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2024
(21) Application No.202441041983 A
(43) Publication Date : 14/06/2024

(54) Title of the invention : INTELLIGENT TRAFFIC SIGNAL TIMING AND AUTOMATION:OPTIMIZING URBAN TRAFFIC FLOW LEVERAGING YOLOV8

(51) International classification	:G08G0001010000, G06N0003080000, G06N0003040000, G06Q0010040000, G08G0001081000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
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(57) Abstract :
Urban traffic congestion is a pervasive issue, resulting in wasted time, increaSed pollution, and geonomic losses. To address this challenge, an innovative approach emerged: Intelligent Traffic Signal Timing and Automation (ITSTA) System, Optimizing Urban Traffic Flow Leveraging YOLOV8. This system leverages advanced deep learning technology to optimize traffic signals, enhancing the flow-0f vehicles in real time. YOLOVS, or "You Only Look Once version 8," is a state-of—the-art object detection and recognition system that excels in highprecision traffic data analysis. By utilizing YOLOVS, traffic engineers and_ city planners can automatically detect and classify various types of vehicles, pedestrians, and unusual traffic events at intersections. This automation reduces the need for extensive manual monitoring and intervention, offering potential long-term savings for municipalities and urban infrastructure planners. This groundbreaking technology represents a significant advancement in addressing the multifaceted challenges of urban traffic congestion.

No. of Pages : 5 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/01/2025

(21) Application No.202541001966 A

(43) Publication Date : 17/01/2025

(54) Title of the invention : ADVANCED MACHINE LEARNING MODELS FOR PREDICTING ELECTRIC VEHICLE SALES CONSIDERING ENERGY DEMANDS

(51) International classification	:G06Q0050060000, C12N0015100000, G06N0020000000, A61F0013150000, H04L0041160000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
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(57) Abstract :

Advanced Machine Learning Models for Predicting Electric Vehicle Sales Considering Energy Demands is the proposed invention. The proposed invention focuses on understanding the functions of Energy Demands. The invention focuses on analyzing the parameters of Electric Vehicle Sales using algorithms of Machine Learning Approach.

No. of Pages : 13 No. of Claims : 5

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(19) INDIA
(22) Date of filing of Application :30/05/2024
(21) Application No.202441041977 A
(43) Publication Date : 14/06/2024

(54) Title of the invention : APTIT: AI-POWERED TECHNICAL INTERVIEW TRAINER

(51) International classification :B32B0037260000, G16H0010200000, G10L0015220000, G06Q0050220000, B32B0037100000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
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(57) Abstract :
The field of technical HR is starting to notice the effects of conversational AI. These AI helpers expedite workflows by responding to frequently asked inquiries by staff members regarding policies, procedures, and benefits. But there are drawbacks to the pre-programmed replies that a lot of the AI in this field now uges. They may find it difficult to handle intricate questions or complex scenarios, which would slow down the process and call for human assistance. This is where conversational technical HR AI, this invention, AI-Powered Technical Interview Trainer (APTIT) a new breed, comes inté play. This sophisticated system makes advantage of the capabilities of the Cohere API, a state-of—the-art instrument that evaluates and produces prompts in response to user input. This makes it possible to have a more organic and lively dialogue by adjusting inquiries and answers to each person's unique needs. It skillfully combines behavioral and technical elements, guaranteeing a comprehensive evaluation of of a candidate's suitability. .

No. of Pages : 5 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2024
(21) Application No.202441041976 A
(43) Publication Date : 14/06/2024

(54) Title of the invention : GOOGLE PLAYSTORE INSIGHTS: DECIPHERING USER PATTERNS FOR BUSINESS GROWTH (GPIB)

(51) International classification :G06Q0030020000, G06N0020000000, H04L0067500000, G06N0003080000, G06N0003040000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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(57) Abstract :
This invention, “Google Playstore Insights: Deciphering User Patterns for Business Growth (GPIB)” aims to understand user behavior within the Google Play ecosystem by analyzing a diverse dataset encompassing app categories, download statistics, user ratings: and reviews. By incorporating machine learning algorithms, GPIB aims to unlock a despe'r understanding of user behavior, enabling tasks such as 'app success prediction, user segmentation, and sentiment analysis of reviews. This invention, emphasizes the importance of adapting to the dynamic landscape of user behavior across diverse demographics and cultures. The insights gleaned from this research will inform strategies aimed at optimizing app performance, enhancing user experience, and fostering business growth on the Google Play platform. Machine Learning algdrithms enable the delivery .of personalized content, features, and recommendations tailored to individual user preferences and behaviors. Predictive Analytics are used to crafi highly targeted marketing campaigns: while dynamic content delivery strategies are explored to maintain user engagement and encourage frequent app usage. Privacy and Data Security measures are prioritized to ensure compliance with evolving regulatory frameworks.

No. of Pages : 5 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/01/2025
(21) Application No.202541006452 A
(43) Publication Date : 14/02/2025

(54) Title of the invention : ADVANCED PRIVACY PRESERVATION FOR LARGE SCALE MULTIPARTY IMAGE SHARING IN SOCIAL NETWORK

(51) International classification	:G06F0021620000, H04L0009000000, H04L0009400000, G06Q0050000000, G06F0021600000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Annexure 3 The critical challenge of ensuring privacy over a large-sc~e multi-party image sharing in social network is a concern. But to effectively overcome the challenges in achieving advanced privacy preservation for large-scale multi-party image sharing in social networks this invention, "Advanced Privacy Preservation for Large Scale Multiparty Image Sharing in Social Network", involves a combination of technological solutions, transparent consent mechanisms, user education, and the implementation of clear and user-friendly consent mechanisms that educate users about the implications of image sharing. This innovation ensures the secrecy of shar~::d images by leveraging cuttingedge encryption technologies to ·allow users to effortlessly monitor and update their privacy preferences. By examining privacy-preserving methods for image processing tasks, like secure multi-party computation and homomorphic encryption, it successfully strikes a balance between the demand for processing power and privacy considerations. Regular security. audits and assessments are used io detect and fix possible vulnerabilities as part of a proactive security strategy. To guarantee system integrity, this also entails threat modeling and penetration testing. A feedback system is also in· place to allow users to voice privacy concerns. This allows for timely resolution of problems and ongoing enhancement of privacy features based on user feedback. in order to ensure improved privacy protection and improve overall security in restricted places, this innovation provides a solid and adaptable solution that describes a comprehensive strategy to mitigating problems.

No. of Pages : 5 No. of Claims : 5