**Rajib Bhattacharya – Publications from 01 January 2023 to 04th August 2025**

**Patents**

1. Indian Patent Titled “IMPLEMENTING MACHINE LEARNING AND DEEP NEURAL NETWORKS TO ANALYZE STOCK MARKET TRENDS AND ASSESS THE ACCURACY OF MARKET PREDICTIONS”, Application No. 202341001183 A; Date of Filing: 05 January 2023, Date of Publication: 13 January 2023; The Patent Office Journal No. 02/23, Pg No. 3256;
2. Indian Patent Titled “AN IMPROVISED MODEL THAT USES MACHINE LEARNING FOR THE PURPOSE OF FORECASTING THE PRICE OF BITCOIN”, Application No. 202331001585 A; Date of Filing: 07 January 2023, Date of Publication: 13 January 2023, The Patent Office Journal No. 02/2023 Pg No. 3330;
3. Indian Patent Titled “ROLE OF GLOBAL ECONOMY AND ACCOUNTING IMPACT OF CLIMATE CHANGE”, Application No. 202331048250, Date of Filing: 19July 2023, Date of Publication: 13 October 2023, The Patent Office Journal No. 41/2023 Pg No. 70616;
4. Indian Patent titled “Cyber-Risk Management in the Indian Banking Industry” published in Indian patent Journal Issue No. 31/2024 dated 02 August 2024
5. Indian Patent titled “Facial Recognition Authentication Device” published in Indian patent Journal Issue No. 39/2024 dated 27 September 2024
6. Indian Design Registration titled “Financial Literacy Management Device” No. 427156-001 dated 15 August 2024
7. Indian Patent titled “Role of IOT and E-Marketing for Cost Optimization in Online Shopping” published in Indian patent Journal Issue No. 31/2024 dated 02 August 2024
8. Indian Design Registration titled “Device for Predictive Accounting Analytics for Business Forecasting” No. 430427-001 dated 13 September 2024
9. UK Patent titled “Smart Content Recommendation Tablet for Tailored Educational Resources” No. 6399137 dated 16 January 2025
10. Canadian Patent titled “Corporate Performance Management Model for Business Process Innovation” No. 1220263 dated 30 August 2024
11. Canadian Patent titled “Next-Generation Investment Recommendations: Leveraging AI and Machine Learning for Personalized Portfolio Optimization” No. 1229879 dated 20 January 2025
12. Indian Patent titled “The Market Dynamics of Collective Ignorance and Spiralling Risk” published in Indian patent Journal Issue No. 22/2025 dated 30 May 2025