(19) INDIA

(51) International classification

(86) International Application

(87) International Publication No: NA

Filing Date

Application Number

Filing Date

Filing Date

Number

(61) Patent of Addition to

(62) Divisional to Application

(22) Date of filing of Application :22/03/2023

(43) Publication Date: 12/05/2023

## (54) Title of the invention: Automatic Behaviour prediction for rule-based data processing using Machine Learning

:G06N 030400, G06N 030800, G06N 050400,

G06N 200000, H04L 411600

:01/01/1900

:NA

:NA

:NA

:NA

(71)Name of Applicant:

#### 1)Mr. Manimuthu Ayyannan

Address of Applicant :Senior Manager, Software Engineering | AI/ML and Data Expert, Fremont, California, USA, Zip: 94538 ------

2)Dr. Sunesh

3)Dr. B. P. Santosh Kumar

4)Dr. Nidhi Sharma

5)Mrs. Uma H R

6)Mr. Sunad kumara A N

7)Mrs. Kshama K B Giri

8)Mr. Kiran Kumar D

9)Mr. S. Jegadeesan

10)Dr. S. Kamalesh

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor:

## 1)Mr. Manimuthu Ayyannan

Address of Applicant :Senior Manager, Software Engineering | AI/ML and Data Expert, Fremont, California, USA, Zip: 94538 ------

#### 2)Dr. Sunesh

Address of Applicant :Assistant Professor, Department of IT, MSIT, Janakpuri, New Delhi, India 110058 ------

#### 3)Dr. B. P. Santosh Kumar

Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, Y. S. R. Engineering College of YVU, Proddatur, Andhra Pradesh, India 516360 -------

## 4)Dr. Nidhi Sharma

Address of Applicant: Assistant Professor, Department of Computer Engineering, The Technological Institute of Textile and Sciences Bhiwani, Bhiwani, Haryana, India 177021

## 5)Mrs. Uma H R

Address of Applicant :Assistant Professor, Department of CSE, BGSIT, B G Nagar, Karnataka, India 571418 ------

### 6)Mr. Sunad kumara A N

Address of Applicant :Assistant Professor, Department of CSE, BGSIT, B G Nagar, Karnataka, India 571418 ------

# 7)Mrs. Kshama K B Giri

Address of Applicant :Assistant Professor, Department of ISE, BGSIT, B G Nagar, Karnataka, India 571418 ------

# 8)Mr. Kiran Kumar D

Address of Applicant :Assistant Professor, Department of ISE, BGSIT, B G Nagar, Karnataka, India 571418 ------

# 9)Mr. S. Jegadeesan

Address of Applicant: Assistant Professor, Department of Information Technology, Velammal College of Engineering and Technology, Madurai, Tamilnadu, India 625009

# 10)Dr. S. Kamalesh

Address of Applicant :Associate Professor, Department of Information Technology, Velammal College of Engineering and Technology, Madurai, Tamilnadu, India 625009 -------

#### (57) Abstract:

The present invention relates to a system and method for automatic behavior prediction in rule-based data processing using machine learning. The system employs a machine learning algorithm to automatically predict the behavior of data based on historical patterns and rules defined by a user. The system is capable of processing large amounts of data in real-time and predicting the behavior of the data accurately. The invention has a wide range of applications in various fields such as finance, healthcare, and security. The system provides an efficient and effective solution for automating the process of behavior prediction, thereby reducing human error and improving accuracy.

No. of Pages: 21 No. of Claims: 10