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<p>(51) International classification :G06F0011360000, G06N0020000000, G06Q0010000000, G06Q0030020000, G16H0050500000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Jambi Ratna Raja Kumar Address of Applicant :Associate Professor, Department of Computer Engineering, Genba Sopanrao Moze College of Engineering, Balewadi, Pune-411045, MH, India. -----</p> <p>2)Sonia Arora 3)Manali Gupta 4)Dr. Ashish M Kanhed 5)Dr. Ankur Singh Bist 6)Prof.(Dr.) B.K.Sarkar Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Jambi Ratna Raja Kumar Address of Applicant :Associate Professor, Department of Computer Engineering, Genba Sopanrao Moze College of Engineering, Balewadi, Pune-411045, MH, India. -----</p> <p>2)Sonia Arora Address of Applicant :Assistant Professor, Noida institute of engineering and technology, greater Noida (NIET), UP, India. -----</p> <p>3)Manali Gupta Address of Applicant :Assistant Professor Noida institute of engineering and technology, greater Noida (NIET), UP, India. -----</p> <p>4)Dr. Ashish M Kanhed Address of Applicant :Assistant Professor, NMIMS University Add-1: Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, NMIMS University, Vile Parle West, Mumbai 400056, -----</p> <p>5)Dr. Ankur Singh Bist Address of Applicant :Graphic Era Hill University ,Bhimtal Campus , Uttrakhand, India. -----</p> <p>6)Prof.(Dr.) B.K.Sarkar Address of Applicant :GEH Research, Rasayani, Taluka Panvel, Dist, Navi Mumbai, Maharashtra 410207, India. -----</p>
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(57) Abstract :

ABSTRACT This invention discusses the role of Machine Learning (ML) based algorithms and methods in Big Data Processing & Analytics (BDA). ML and BDA are both evolutionary fields of computing and the developments in these fields are complementing each other. The ever-changing data landscape in modern digital world have resulted in newer ways of data processing frameworks in order to get meaningful insights, which are unprecedented. This invention presents a detailed review on latest developments in ML algorithms for Big Data Processing. In later section key challenges associated with application of ML, based approaches are also discussed. ML based Big Data Processing has gained popularity and new developments are on the rise for efficient data processing. A system and method for analyzing a computer program includes performing a static analysis on a program to determine property correctness. Test cases are generated and conducted to provide test output data. Hypotheses about aspects of execution of the program are produced to classify paths for test cases to determine whether the test cases have been encountered or otherwise. In accordance with the hypothesis, new test cases are generated to cause the program to exercise behavior which is outside of the encountered test cases.

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