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(71)Name of Applicant :
1)Chitkara University
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

2)Bluest Mettle Solutions Private Limited
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)MISHRA, Rahul
 Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

2)PANDEY, Sakshi
 Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

3)MANTRI, Archana
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :

An intelligent fashion recommendation system (100) integrates a camera (102) within a user device (106) for capturing clothing item images or videos. These visuals are processed by a Processor (108) employing advanced computer vision algorithms to accurately extract clothing attributes. Machine learning models (116) further classify these attributes, assigning weights based on trends and user preferences. The dynamic fashion database (118) holds diverse items, styles, and trends, while the recommendation engine (120) combines recognized attributes and user inputs to generate personalized fashion recommendations. An intuitive interface (124) accessible through web/mobile apps facilitates interactions, real-time image capture, and exploration of trends. A trend analysis module refines recommendations, and user feedback mechanisms contribute to algorithm enhancement.

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