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The Development of Blockchain for Additive Manufacturing: Speeding Up the 3D Printing Industry

There is a need for increased productivity and efficiency of 3d printing in the modern manufacturing world today and tomorrow. The possibilities of 3d printing are pretty much endless. From manufacturing prototypes to producing serviceable parts for real-time applications in today's industries, 3d printing has already started to signify the future of research and manufacturing technology for the better of humanity. The processes required to speed up additive manufacturing are inefficient and require a sort of mass system to help increase efficient productivity. Blockchain is the system that has the potential to fit in as a piece in the puzzle of manufacturing inefficiency in terms such as secure business and secure intellectual property. Its ability to encrypt and track shared information and transactions between organizations in real time can be explored as a question to the possibility of speeding up the 3d printing industry.

Biography

Sudeep Giri is a 1st year college student pursuing Aviation Science and Management in the Advanced Flight career track at Middle Georgia State University. He is a student firefighter at the Cochran Fire Department in Cochran, GA and the founder of 3D Printing 4 Humanity, a 3d printing organization focused on research and humanitarian needs. He has interned with two 3d printing companies, 3D Printer Technology and Zager 3d Printing, focused on manufacturing prototypes and products for other companies and organizations like NASA, Lockheed Martin, and Delta Air Lines.

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