In today's world, and for quite some time, there has been an issue of debt. Most people have some sort of debt that hinders their well-being. It could be something as minuscule as a small personal loan. It could also be something as large as a mortgage or student loans. These different debts all have one thing in common: interest. Interest rates can vary and be complex with variable rates. In some cases, these rates end up making a person's payment unable to reach their principal balance, causing never-ending debt. To make things worse, most people will have auto loans that will add to their debt, making an individual's debt unmanageable. With so many people facing this issue, wouldn’t it be great if we had some sort of personal AI assistant that can take in a few details to give a user the best why pay of dept and in what order to be the most proficient?

An AI system that can work as a personal finance manager would be able to benefit many people. Imagine a system that knows the exact amount you bring home and exactly what debts you have. The system would be able to follow current market trends in order to predict what may happen to any variable interest rates, whether they go up or down. It would be able to tell you how much to pay and towards what area of debt you have in order to pay down the dept fastest.

For this AI to work, it must utilize a series of AI techniques. It will have algorithms programmed into it to decipher the best outcome for the user. There will be some data points that cannot be hard-coded, though. The AI system will use unsupervised learning to take and market trends and predict variable interest rates. It will be able to add those variables to the algorithms and account for it. It will either end up being able to search through the internet to receive the data needed for that or a service that submits the data to the AI.

With this AI system, the biggest ethical concern would be whether or not the system will take in bank data or employment payment data. This data may make the system more accurate with its algorithm, but it is not necessarily the safest route. If someone were to hack into the AI system, they could end up getting ahold of a user's personal data. This could potentially hurt the user financially, making the system pointless. To avoid that, when a user first uses the system, they could set some variables manually that will be utilized in the algorithm instead, making it a bit safer.

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