WHAT IS CLAIMED IS:

1. A method for identifying fraudulent cryptographic currency transactions using a deep neural network, comprising:

receiving, by a receiver of a processing server, from a source data provider, a source dataset including labeled source data for electronic payment transactions processed by payment rails, said labeled source data being associated with a plurality of source features and with a source domain, wherein the source domain is a traditional payment service provider domain and the labeled source data includes financial data processed by the payment rails;

receiving, by the receiver of the processing server, from a blockchain node of a blockchain network, a target dataset including unlabeled blockchain transaction data associated with a plurality of target features and corresponding to a target domain, wherein the target domain is a blockchain domain, and wherein the processing server communicates between the source data provider, the blockchain network and a payment network and wherein the blockchain transaction data includes cryptographic transaction elements;

combining, by a processor of the processing server, at least a subset of the plurality of source features and at least a subset of the plurality of target features into a combined data layer;

training, by the processor of the processing server, a deep neural network using a domain adaptation algorithm and the combined data layer until a difference between a CORAL loss and a classification loss is within a predetermined value, wherein the domain adaptation algorithm aligns labeled source features associated with the labeled source data from the traditional payment service provider domain with unlabeled target features associated with the unlabeled blockchain transaction data from the blockchain domain to identify a set of final features; and

identifying one or more fraudulent cryptographic currency blockchain transactions by applying, by the processor of the processing server, the identified set of final features to the target dataset.

2. The method of claim 1, further comprising:

training, by the processor of the processing server, a first autoencoder on the plurality of target features to identify the subset of the plurality of target features.

3. The method of claim 2, further comprising:

training, by the processor of the processing server, a second autoencoder on the plurality of source features to identify the subset of the plurality of source features.

4. The method of claim 1, wherein the domain adaptation algorithm is Deep CORAL.

5. The method of claim 1, further comprising:

transmitting, by a transmitter of the processing server, the identified set of final features for application to data associated with the target domain.

6. The method of claim 1, further comprising:

receiving, by the receiver of the processing server, a new dataset associated with the target domain; and

applying, by the processor of the processing server, the identified set of final features to the new dataset to identify additional one or more fraudulent cryptographic currency blockchain transactions.

7. A system for identifying fraudulent cryptographic currency transactions using a deep neural network, comprising:

a source data provider;

a blockchain network;

a payment network; and

a processing server that communicates between the source data provider, the blockchain network and the payment network and includes a processor and a memory, the memory having instructions stored thereon that when executed, cause the processor to

receive, from the source data provider, a source dataset including labeled source data for electronic payment transactions processed by payment rails, said labeled source data being associated with a plurality of source features and with a

source domain, wherein the source domain is a traditional payment service provider domain and the labeled source data includes financial data processed by the payment rails,

receive, from a blockchain node of the blockchain network, a target dataset including unlabeled blockchain transaction data associated with a plurality of target features and corresponding to a target domain, wherein the target domain is a blockchain domain, and wherein the blockchain transaction data includes cryptographic transaction elements,

combine at least a subset of the plurality of source features and at least a subset of the plurality of target features into a combined data layer,

train a deep neural network using a domain adaptation algorithm and the combined data layer until a difference between a CORAL loss and a classification loss is within a predetermined value, the domain adaptation algorithm aligns labeled source features associated with the labeled source data from the traditional payment service provider domain with unlabeled target features associated with the unlabeled blockchain transaction data from the blockchain domain to identify a set of final features, and

identify one or more fraudulent cryptographic currency blockchain transactions by applying, by the processing server, the identified set of final features to the target dataset.

8. The system of claim 7, wherein the processor of the processing server trains a first autoencoder on the plurality of target features to identify the subset of the plurality of target features.

9. The system of claim 8, wherein the processor of the processing server, trains a second autoencoder on the plurality of source features to identify the subset of the plurality of source features.

10. The system of claim 7, wherein the domain adaptation algorithm is Deep CORAL.

11. The system of claim 7, wherein the processing server further includes a transmitter transmitting the identified set of final features for application to data associated with the target domain.

12. The system of claim 7, wherein

the receiver of the processing server receives a new dataset associated with the target domain, and

the processor of the processing server applies the identified set of final features to the new dataset to identify additional one or more fraudulent cryptographic currency blockchain transactions.