

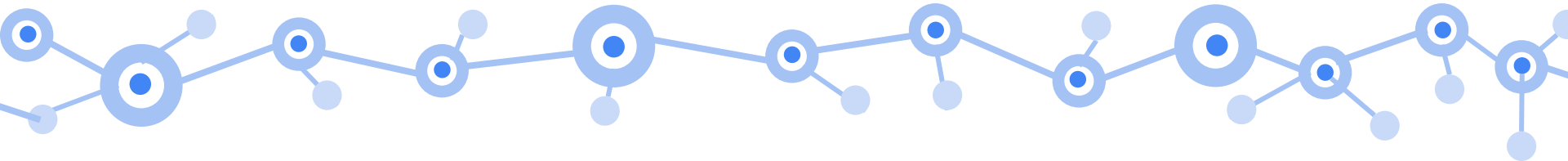


Securing IoT Servers

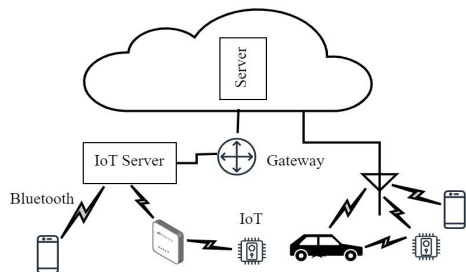
Shallow vs. Deep Neural Network Architectures

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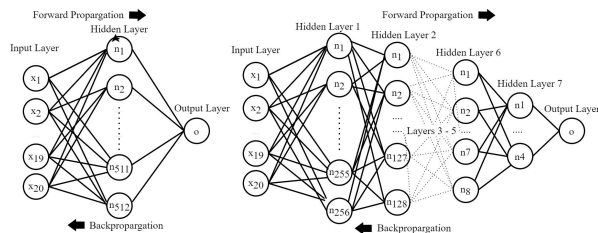


PROBLEM



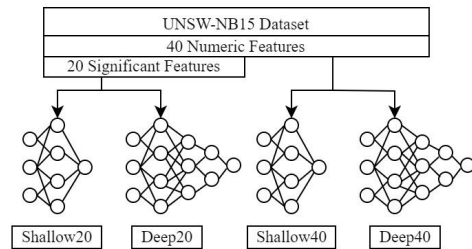
IoT servers face network attacks.
IDS are not adequate.
Host based DNN can help.

METHODOLOGY



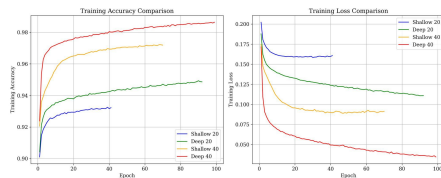
Shallow and Deep NN models.
Use UNSW-NB15 dataset.
Train with Supervised Learning.
Deploy on IoT environments.

SOLUTION



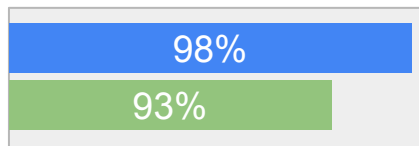
20 and 40 feature datasets.
Train 2 Shallow Models.
Train 2 Deep Models.
Compare performance.

RESULTS



Deep40
Shallow20

Model Performance



Resource Usage

