

Anomaly Detection for Time Series Data using VAE-LSTM Model

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Abstract—Here is a abstract...
Index Terms—Here are some keywords...

I. INTRODUCTION

This is an introduction...

II. METHODOLOGY

A. Preprocessing

Here is the preprocessing...

B. Variational Autoencoder

Here is the VAE...

C. Long Short-Term Memory

Here is the LSTM...

D. VAE-LSTM Model Training

Here is the VAE-LSTM model training...

E. Anomaly Detection

Here is the anomaly detection...

F. Evaluation Metrics

Here are the evaluation metrics...

III. EXPERIMENTS

Here are the experiments...

A. Inertial Measurement Unit Dataset

Here is the dataset...

B. Synthesized Photoplethysmography Dataset

Here is the dataset...

C. Electric Vehicle Drive Cycle Dataset

Here is the dataset...

IV. RESULTS

Here are the results...

A. Inertial Measurement Unit

Here is the dataset...

B. Synthesized Photoplethysmography

Here is the dataset...

C. Electric Vehicle Drive Cycle

Here is the dataset...

V. CONCLUSION

Here is a conclusion...

A. Future Work

Here is some future work...

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REFERENCES

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- [3] Citation 3
- [4] Citation 4
- [5] Citation 5