

# Deep Learning in Smart Cities

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***Abstract—Flow of the paper***

***Index Terms—keywords***

## I. INTRODUCTION

Background and motivation.

## II. RELATED WORK

Exploring current researches on Deep Learning in Smart Cities and its related applications.

## III. DEEP LEARNING

- A. Deep Learning fundamentals*
- B. Autoencoder*
- C. Restricted Boltzmann Machine*
- D. Convolutional neural network*
- E. Recurrent neural network*
- F. Deep belief network*
- G. Artificial neural network*

## IV. SMART CITIES

Case studies

## V. DESIGN AND IMPLEMENTATION

- A. Design*
- B. Implementation*
- C. Verification*

## VI. EVALUATION

## VII. CONCLUSION AND FUTURE OUTLOOK

## REFERENCES