SMS SPAM DETECTOR

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Overview

Introduction

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- Problem Statement

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- Objective

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- Steps Towards Solution

Flow of the project

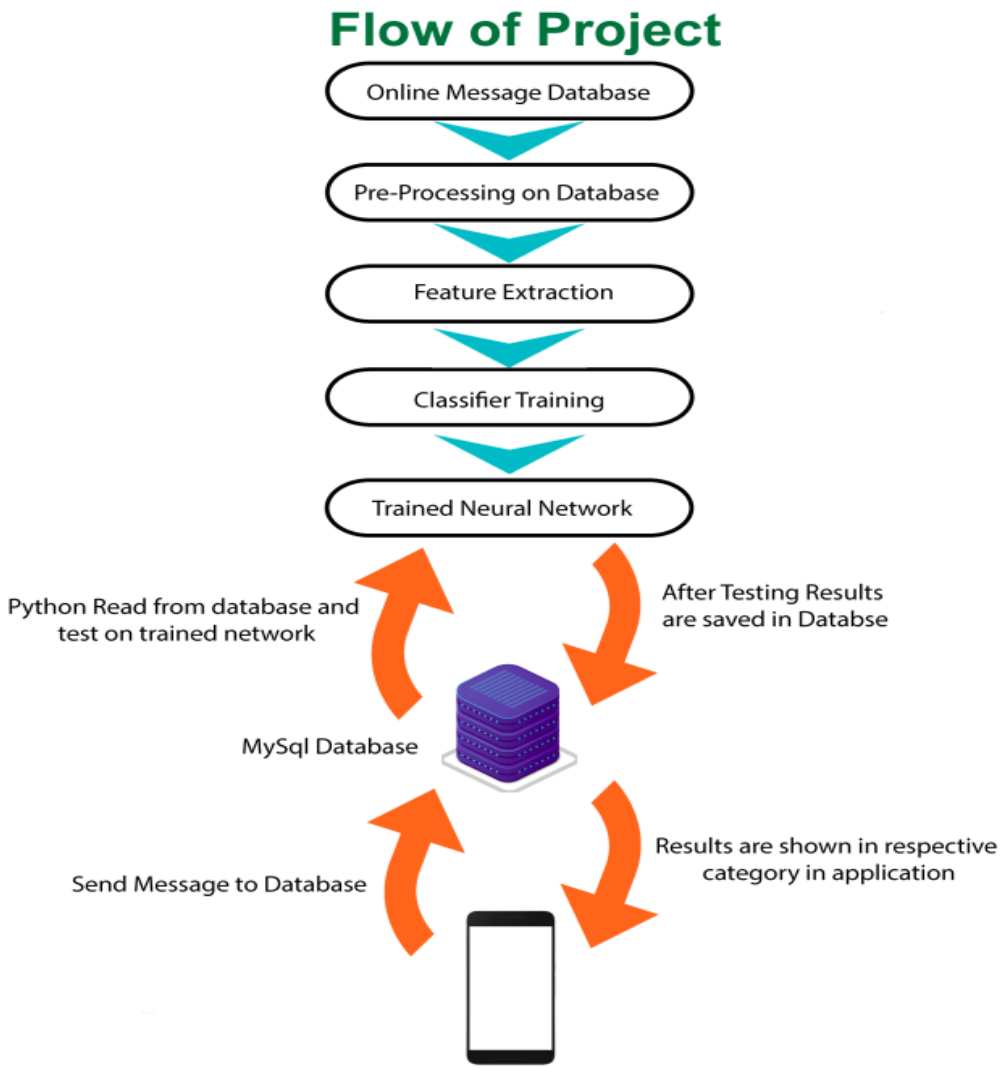

Figure: Project Flow

Features Extraction

Features Extraction

- Content Based Features

Features Extraction

- Content Based Features
- Non Content Based Features

Machine Learning Model

Machine Learning Model

- Artificial Neural Network

Machine Learning Model

- Artificial Neural Network
- Naive Byse Filter

Accuracy Graph

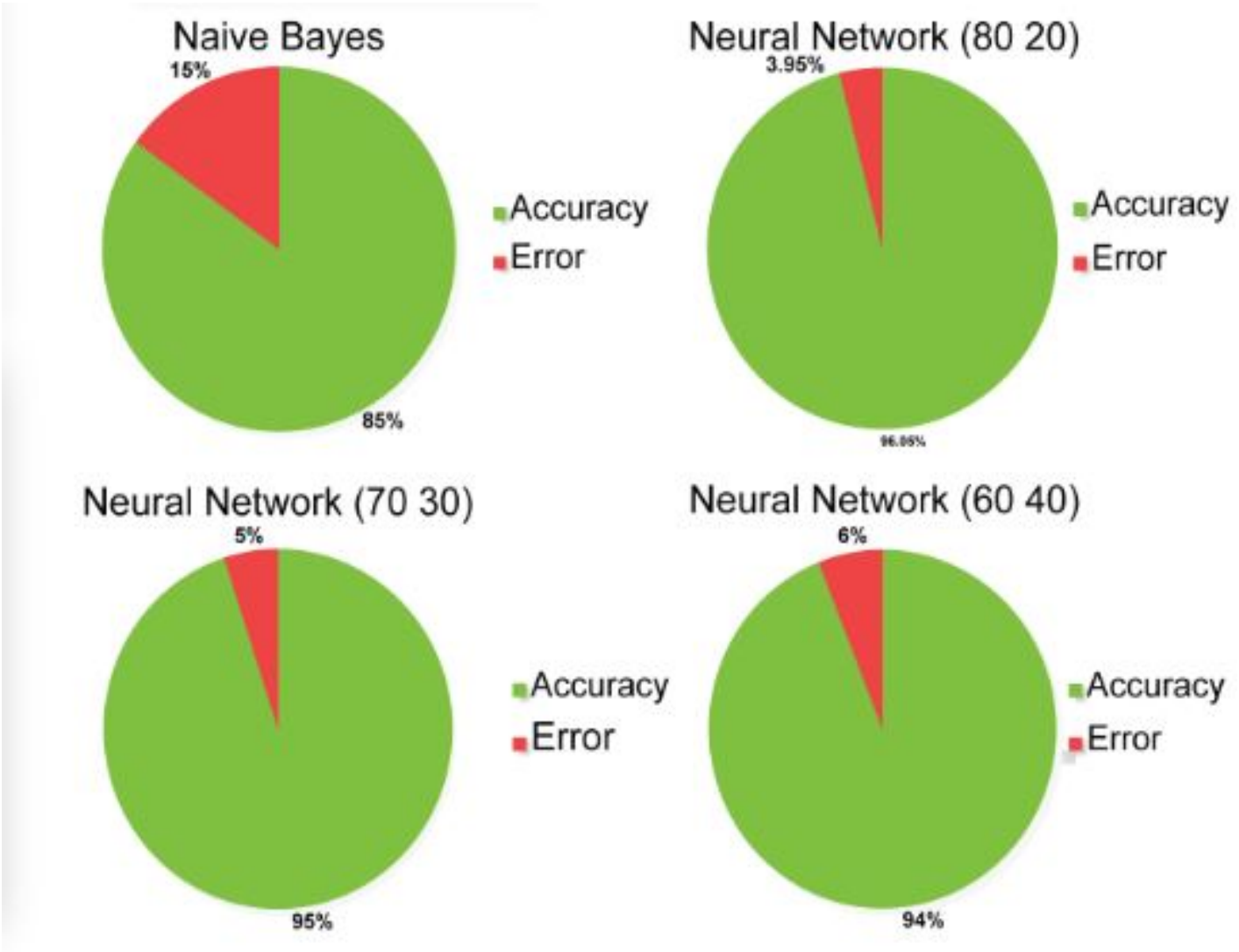

Figure:

Way Forward

- Application Improvement
- Hyper Perameters Setting through Auto-Keras

Useful Resources

- Gupta, M., Bakliwal, A., Agarwal, S. and Mehndiratta, P., 2018, August. A Comparative Study of Spam SMS Detection Using Machine Learning Classifiers. In 2018 Eleventh International Conference on Contemporary Computing (IC3) (pp. 1-7). IEEE.
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- Agarwal, S., Kaur, S. and Garhwal, S., 2015, September. SMS spam detection for Indian messages. In 2015 1st International Conference on Next Generation Computing Technologies (NGCT) (pp. 634-638). IEEE.
- Shams, R. and Mercer, R. E. (2013) Classifying spam emails using text and readability features, Proceedings - IEEE International Conference on Data Mining, ICDM, pp. 657 666.

Useful Resources

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- Xu, Q., Xiang, E.W., Yang, Q., Du, J. and Zhong, J., 2012. Sms spam detection using noncontent features. IEEE Intelligent Systems, 27(6), pp.44-51.