

**Saint Petersburg State University**

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**Bachelor Diploma Thesis**

***Stock Price Forecasting Using Dynamic Event-Based Sentiment Analysis and  
Neural Networks***

Level of education: Bachelor's degree

Direction 01.03.02 "Applied Mathematics and Informatics"

Basic educational program CB.5005.2015 «Management»

«Information management»

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Saint Petersburg

2025 y.

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## Introduction

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## **CHAPTER 1. THEORETICAL OVERVIEW**

### **1.1 Problem statement**

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### **1.2 Methodology**

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#### **1.2.1 Literature review**

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#### **1.2.2 Tool review**

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## **CHAPTER 2. PRACTICAL SOLUTION**

### **2.1 Data engineering**

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#### **2.1.1 Data capture**

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#### **2.1.2 Data processing**

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### **2.2 Architecture**

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#### **2.2.1 Aspect-based block**

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#### **2.2.2 Sentimental block**

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#### **2.2.3 Predictive block**

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### **2.3 Recommendations**

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### **Conclusion**

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### **References**

- [1] Griffin D.W., Lim J.S. «Multiband excitation vocoder». IEEE ASSP-36 (8), 1988, pp. 1223-1235.
- [2] Griffin D.W., Lim J.S. «Multiband vocoder». IEEE ASSP-36 (8).
- [3] Griffin D.W. «Multiband ». IEEE ASSP-36 (8).