## MANJUNATHA REDDY REDDYGARI

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# WORK EXPERIENCE

**BOSTON IT SOLUTIONS INDIA PVT.LTD. (INTERN) FEB-2023 to MAY-2023**

| BANGALORE, KARNATAKA

1. **Developed and Implemented Advanced Stock Prediction Model:** Spearheaded the design and implementation of a robust stock price prediction system utilizing a CNN-LSTM algorithm. Overcame the vanishing gradient problem through LSTM architecture, ensuring effective long-term pattern recognition.
2. **Mitigated Overfitting with Dropout Techniques:** Implemented dropout techniques to prevent overfitting, enhancing the model's generalization capability. This strategy ensured the accuracy and reliability of predictions by avoiding the incorporation of noise and irrelevant features.

# PROJECTS

## “Predict stock prices using a Long Short-term Memory neural network (LSTM) for Asian paints data.”

Our approach involves using a CNN-LSTM algorithm to efficiently predict stock prices. The LSTM architecture overcomes the vanishing gradient problem, enabling the model to grasp long-term patterns effectively. By incorporating dropout techniques, we ensure the model avoids overfitting. Our model includes multiple LSTM layers and cells, with both numerical and textual analyses of stock trends and news sentiment. Combining these analyses, we aim to create accurate predictions for future stock prices. Implemented an efficient incremental sync mechanism, eliminating the need for re-syncing old highlights.

## “Fake currency identification system using Image processing”.

A "Fake Currency Identification System using Image Processing" adapted for blind individuals employs audio feedback alongside image processing to provide real-time verbal descriptions of currency notes' authenticity, allowing visually impaired users to confidently discern genuine banknotes from counterfeits through their sense of hearing.

**"Restaurant Management System".**

The "Restaurant Management System" crafted with HTML, CSS, and JavaScript offers an intuitive user interface for restaurant owners and staff to efficiently manage orders, reservations, and menus online. This web-based solution simplifies restaurant operations by providing real-time updates and order processing, enhancing the overall dining experience for customers.

# CERTIFICATIONS

**DATA STRUCTURES AND PERFOMANCE -COURSERA-2021.**

**CYBER SECURITY INTERNSHIP. - AICTE (Palo Alto). INTRODUCTION TO NETWORKS -CISCO NETWORKING ACADEMY. -CCNAv7.**

**AWS ACADEMY GRADUATE. -AWS ACADEMY.**

# EDUCATION

**Bachelor of Technology (B.Tech.) (CGPA: 9.5) June 2019 - May 2023**

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology**.**

**Board of Intermediate (12th) (CGPA: 9.2) June 2017 - May 2019**

Sri Chaitanya Jr. College.

**Board of Secondary Education (10th) (CGPA: 8.3) June 2016 - May 2017**

Sri Chaitanya English Medium School.

# SKILLS

**Java | .Net | Oracle | SQL |**