**Chikile Srikar**

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# Skills

* **Languages**: Python, C, C++, Java
* **Tools/Platforms**: MySQL
* **Soft Skills**: Problem-Solving Skills, Project Management, Adaptability

# Internship

* **Study of Conveyor Auto Machine** March 2022- April 2022

*◦* Conducted a comprehensive study on conveyor auto machine systems for material handling and transportation at Amara Raja Batteries Ltd.

*◦* Analyzed various designs for efficiency and effectiveness in material conveyance.

*◦* Explored the integration of PLC systems for precise control of conveyor operations.

# Projects

* **Horizontal analysis of stock market prediction harnessing Machine learning models on different time horizons** June 2024

*◦* Conducted research on stock market prediction using machine learning algorithms such as LSTM, Linear Regression, and XGBOOST.

*◦* Achieved high accuracy in forecasting stock values with an 86% r2 score using LSTM model for short-term predictions.

*◦* Evaluated the performance of various models over different time horizons (1 year, 2 years, 10 years, and 15 years) with detailed analysis and comparison.

* **Exploratory Evaluation of ML Techniques Used to Predict Stock Market Throughout Various Time Period Sequences** March 2024

*◦* Conducted comprehensive review and analysis of stock market prediction techniques, including Random Forest, Logistic regression, ARIMA, and KNN.

* **Solar PV-BES based Microgrid system** May 2023

*◦* **Microgrid Design**: Focused on reliable power supply with bidirectional power flow using Voltage Source Converters (VSC).

*◦* **Renewable Integration and Storage**: Facilitate renewable energy generation and ensure continuous power through storage solutions.

*◦* **Optimized Grid Flexibility**: Emphasize sustainable and resilient power supply for diverse applications.

# Certificates

* Certificate in A.I., Data Science, and Machine Learning Engineering | Udemy In progress

# Achievements

#### Presented paper at National Conference for AI- Enhanced learning August 2024

# Education

**Lovely Professional University** Phagwara, Punjab

### Master of Technology - Computer Science and Engineering (AI & ML); **CGPA: 7.24** Since August 2024

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**Sri Venkateswara College of Engineering** Tirupati, Andhra Pradesh

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### B-Tech; **Percentage: 71%** July 2019 - March 2023

**NRI Jr. college** Tirupati, Andhra Pradesh

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### Higher Secondary; **CGPA: 8.2** April 2017 - March 2019