

# 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
- **Sri Venkateswara College of Engineering** Tirupati, Andhra Pradesh
  - B-Tech; Percentage: 71%* July 2019 - March 2023
- **NRI Jr. college** Tirupati, Andhra Pradesh
  - Higher Secondary; CGPA: 8.2* April 2017 - March 2019