

# Surya Prakash R

+91 9894676775

[r.suryaprakash916@gmail.com](mailto:r.suryaprakash916@gmail.com)

Bhuvanagiri

[Github](#)

[LinkedIn](#)

## Summary

Computer Science and Engineering (Data Science) graduate with knowledge in Python, SQL, and data analysis. Quick learner with a focus on accuracy and problem-solving. Interested in gaining real-time project experience and improving technical skills.

## Skills

Programming Language:

**Python.**

Visualization Tools: **PowerBI,**

**Tableau.**

Database: **MySQL.**

## Education

**B.E. in Computer Science and Engineering (Data Science) Honors.**

**CGPA – 8.59**

Annamalai University  
2021 – 2025

## Leadership

Event Coordinator, CompSem'24  
– Managed and executed technical events including quiz, debugging, and logical puzzle contests.

## Certifications

- Deep Learning, IIT (NPTEL)
- Natural Language Processing, IIT (NPTEL)
- Python Basics, Udemy
- SQL, -Hackerrank

## Internship

**Shiash Info Solutions Pvt Ltd**

Jun 2024 - Jul 2024

Machine Learning Intern

Chennai

- Learned machine learning algorithms and phases.
- Supported the development team, enhancing efficiency.
- Improved problem-solving speed by 20% and enhanced data processing speed.

## Projects

### Real-Time Stock Price Prediction using Machine Learning and Sentiment Analysis

- Developed a real-time stock forecasting system using LSTM neural networks to predict stock prices based on historical market data.
- Integrated VADER Sentiment Analysis to extract sentiment scores from financial news and combine them with time-series data for enhanced prediction accuracy.
- Utilized Streamlit to build an interactive and responsive web interface, enabling users to select stocks, visualize trends, and access forecasts instantly.
- yahooquery API for more stable and efficient stock data retrieval.
- Achieved improved prediction accuracy by fusing quantitative (price) and qualitative (sentiment) data sources.
- Tools: Python, LSTM, NLTK, Streamlit, yahooquery, Pandas, Matplotlib.

### Crop Production Analysis

- Analyzed multi-year regional crop production data using Python for preprocessing and Power BI for dynamic visualization.
- Designed and deployed interactive dashboards to identify crop yield patterns, seasonal trends, and regional variances.
- Tools: Python, Pandas, Power BI, Matplotlib, Seaborn.

### Movie Recommendation System

- Developed a personalized content-based recommendation system using cosine similarity and movie metadata (genres, cast, keywords).
- Optimized the system using scikit-learn for similarity computations and Pandas for efficient data handling.
- Tools: Python, Pandas, scikit-learn.