

# SURYA S R

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Trivandrum, Kerala

## SUMMARY

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Motivated Data Science Fresher with a strong foundation in Python, Exploratory Data Analysis (EDA), Machine Learning, Natural Language Processing (NLP), and Deep Learning. Currently pursuing a Diploma in Data Science at Edure Learning, Trivandrum, with hands-on experience in academic and capstone projects using real-world datasets. Adept at analyzing data, building predictive models, and visualizing insights. Known for clear communication and simplifying complex concepts. Eager to begin a career in data science and contribute to solving real-world problems through data-driven solutions.

## PROJECTS

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### • Python Project

*WordGuess Pro, X-O Master, Virtual Hand cricket, PyNote Editor and SmartCalculator using Tkinter*

- Tools: Python and Tkinter technologies used
- Developed multiple Python applications, including interactive games like WordGuess Pro, X-O Master, Virtual Hand Cricket, and GUI-based utilities such as PyNote Editor and SmartCalculator using Tkinter. Gained hands-on experience in GUI design, core Python programming, and event-driven development.

### • Data Analytics Project

*ShopSmart Insights (Ecommerce), 911 Call Trends Dashboard*

- Tools: Numpy, Pandas, Matplotlib, Seaborn
- Analyzed datasets such as 911 emergency calls and E-commerce transactions. Focused on data cleaning, visualization, time-series analysis, and generating actionable insights using grouping and aggregation techniques.

### • Machine Learning Project

*Employee Attrition, Credit Risk Analysis, Customer Behaviour Classification*

- Tools: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- Implemented ML models to predict employee attrition, assess credit risk, and classify customer behavior using scikit-learn. Applied supervised and unsupervised learning with a focus on preprocessing, feature selection, and model evaluation.

### • NLP Projects

*TextMood Analyzer, Twitter Sentiment Analysis*

- Tools: NLTK, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- Performed sentiment and emotion analysis from text data using NLP techniques. Tasks included text cleaning, tokenization, lemmatization, and building classification models to detect emotional tone and polarity.

## SKILLS

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- Programming Languages: Python
- Data Analysis and Visualization: pandas, NumPy, matplotlib, seaborn
- GUI Development in Python (Tkinter)
- Machine Learning Algorithms and NLP technique
- Problem Solving, Team Work and Willingness to learn
- Deep Learning Basics (Neural Networks, Keras/TensorFlow)

## EDUCATION

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### • Diploma In Data Science

*Edure Learning*

Pursuing

### • Computer Operator and Programming Assistant (COPA)

*NSTI (W) Trivandrum*

July - 2023

### • Bachelor of Arts in Economics

*Kerala University, Govt College Nedumangad Trivandrum*

August - 2022