SURYA NATTARAYASAMY

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EDUCATION

Sri Krishna Arts and Science College   Coimbatore, India
Master of Computer Science(**M.Sc CS**).   **2024-Till Date**
Bharathiyar University   Coimbatore ,India
Bachelor of Computer Science(**B.Sc CS**)   **2020-2023**

SKILLS SUMMARY

- **Languages :** Python (Advanced), Core Java.
- **Data Science & Machine Learning :** Pandas, NumPy, Machine Learning Algorithms, Deep Learning Algorithms.
- **Databases :** MySQL, SQLite, MongoDB.
- **Web Development :** HTML, CSS, Flask, Django.
- **Tools & Platforms :** Jupyter Notebook, PyCharm, Visual Studio Code
- **Version Control :** Git
- **Soft Skills :** Strong problem-solving abilities, effective communication, teamwork, and critical thinking.

WORK INTERSHIPS

Data Science Intern | Elysium Academy | Certificate   **January 2023- June 2023**
- Applied Python and machine learning techniques to real-world datasets.
- Built data pre-processing pipelines and predictive models using Pandas and Scikit-learn.
- Delivered data insights through EDA and visualizations.

Python Developer Intern | RubricEdge Solutions Private Limited | Certificate   **April 2025 - May 2025**
- Designing and developing Python-based applications.
- Working with libraries such as Django, BeautifulSoup, and Elementtree.
- Writing efficient, scalable code and participating in code reviews.
- Collaborating with the development team on various project tasks.

PROJECTS

Web-Based Sentiment Analysis Using Deep Learning | Link
- Developed a Flask web app for sentiment analysis using customized deep learning models for various text types (movie reviews, tweets, etc.).
- Delivered a responsive interface enabling real-time sentiment analysis.

Applicant Tracking System Using NLP | Link
- Built a web application using Flask, SpaCy, and MySQL to help HR/recruiters automate resume screening.
- Designed & developed modules to parse uploaded resumes and extract key fields (skills, education, experience) using NLP.

CERTIFICATIONS

Python With Data Science | Certificate   **December 2022**
Elysium Academy | 6-Month Program
- Learned and implemented key **ML algorithms** such as Linear Regression, Decision Trees, Random Forest, and kNN,etc
- Worked on practical exercises combining **data analysis** and **model building** in Python

IBM AI Engineering | Certificate   **April 2025**
Coursera | Online Course
- Trained, fine-tuned, and deployed deep learning models using TensorFlow, PyTorch, and Keras.
- Built NLP applications with LangChain, Hugging Face, and major LLM frameworks (GPT, LLaMA, BERT).