

Srinivasan R

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EDUCATION

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| MAM College Of Engineering <i>Bachelor of Technology in Artificial Intelligence And Data Science</i> | Trichy, TN Aug. 2021 – May 2025 |
| Thanthai Hans Roever Higher Secondary School <i>Higher Secondary in Basic Electrical Engineering</i> | Perambalur, TN Jun. 2019 – May 2021 |
| Government High School <i>Grade 10th</i> | Perambalur, TN Jun. 2013 – May 2019 |

EXPERIENCE

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| Intern - Computer Vision and Object Detection Research Assistant <i>AMS-India Pvt Ltd</i> | June 2023 – July 2023 Bangalore, KA |
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- Collaborated with research scientists on pioneering recommender system research.
- Analyzed data patterns and interpreted findings.
- Developed and validated new algorithms code.

PROJECTS

Music-Recommender | *Python, Pandas, nltk, sklearn, pickle*

- * Developed a Song Lyrics Recommender System using Python
- * Built a recommender system to suggest songs based on lyrics.
- * Preprocessed and vectorized text data; used cosine similarity for recommendations.
- * Saved the model and data with pickle.

Sign Language Gesture-Based Music Player | *Python, OpenCV, TensorFlow*

- * Developed a music player application that interprets sign language gestures to control playback functions.
- * Utilized OpenCV for gesture recognition and TensorFlow for training the gesture classification model.
- * Integrated gesture-based commands for intuitive music management, including play, pause, and skip.
- * Implemented Python for application development and gesture processing.

Web-Scraping with CAPTCHA Handling and Text Analysis | *Python, 2captcha, BeautifulSoup4*

- * Built a web scraper to extract data from websites using BeautifulSoup4.
- * Integrated 2captcha to bypass CAPTCHA challenges during scraping.
- * Processed and analyzed the scraped data for insights.
- * Utilized Python for automation and handling web data extraction.

TECHNICAL SKILLS

Languages: Python, R, C++, SQL, PHP, Dart, HTML/CSS, JavaScript

Frameworks: Apache Spark, Hadoop, Selenium, PyTorch, Keras, Flutter, Django

Developer Tools: Visual Studio Code, Git, Docker, PyCharm, Anaconda, Jupyter Notebooks

Data Visualization Tools: Power BI, Tableau, Matplotlib, Seaborn, Plotly

Libraries: Pandas, Numpy, Matplotlib, TensorFlow, Open-CV, Apache Spark, BeautifulSoup4, Selenium

Soft Skills: Critical thinking, Problem-Solving, Communication