# Srihari Thyagarajan

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## Education

Mukesh Patel School of Technology, Management and Engineering (NMIMS) **2021 - 2025**
*Bachelor of Technology (B.Tech.) in Artificial Intelligence, CGPA: 3.82/4* *Mumbai, Maharashtra*

## Work Experience

### Digital India Corporation

**May 2024 — June 2024**
*Remote (Delhi), India.*

*AI Intern*

• Implemented AI solutions for IndiaHandMade products listing:
- Integrated image captioning and generative language models.
- Developed audio transcription for multilingual descriptions.
- Created FastAPI-based APIs for eCommerce platform integration.

• Deployed solution on Ubuntu test servers, optimizing vendor experience

• Skills: Python, FastAPI, HuggingFace Models (BLIP, Llama3, Groq, Whisper), API Development

• Achievements: Streamlined listing process, enabled multilingual descriptions, improved platform efficiency

### Engagely.ai

*Engineering Intern*

**May 2023 — June 2023**
*Mumbai, MH*

- Hands-on Testing Exposure: Learned bug detection and documentation.
- Collaborative Coding Insights: Issue management, explored Python-Flask.

### Gif Your Game

**Sep 2020 — April 2024**
*Remote (US), India.*

*Customer Service, Technical Support (Freelancer)*

- Issue Resolution: Researched and promptly resolved customer inquiries.
- Quality Assurance: Conducted app quality testing and documented issues.

## Projects

**Text Summarization of Amazon Customer Reviews** | *TensorFlow, PyQt5, NLTK, Pandas, Regex, Python*

- Architecture: Implemented bidirectional RNN with LSTM for Amazon review summarization, enhancing quality and relevance for fine foods.

**Flight Booking Management System** | *Python, Qt, PyQt5, MySQL, Twilio*

- User-Friendly GUI: Created a user-friendly GUI with PyQt5, offering an intuitive experience.
- Flight Details: Provided comprehensive flight information to users, including availability, schedules, and fares.

**Image Processing** | *Python, PyQt5, OpenCV, Pandas, NumPy*

- Laplacian Edge Detection: Implemented the Laplacian filter to detect edges in images, aiding in object recognition and boundary detection.
- LPF (Low-Pass Filtering): Implemented a low-pass filter to remove high-frequency noise from images, enhancing image quality.

**Attendance System using Facial Recognition** | *Python, PyQt5, OpenCV, Haarcascade classifiers, Excel*

- Efficient Attendance Tracking: Developed a facial recognition system to automate attendance tracking, replacing traditional methods with an efficient and contactless solution.
- Project Scope: Oversaw end-to-end project, from face detection to data storage.

## Technical Skills

**Languages**: Python, Java
**Databases:** MySQL, MongoDB
**Libraries/Frameworks:** Flask, PyQt5, Qt, NumPy, Pandas, scikit-learn, FastAPI, Matplotlib, OpenCV, keras, nltk, spacy,
**Developer Tools/Platforms:** Git, GitHub, GitLab, HuggingFace, Linux, Windows, Android Studio
**Coursework:** Machine Learning, Artificial Intelligence, Deep Learning, Natural Language Processing, Signal and Image Processing, Data Structures and Algorithms, Operating Systems, Database and Management Systems, Computer Networks, Linear Algebra and Differential Equations, Statistics.