Sai Abhi Chandra Muchhakarla

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## Github: <https://github.com/SaiAbhiChandra> Mobile: +91-7794080711

YouTube: <https://www.youtube.com/@facts-2626>

# Skills

* **Languages**: Python, C - programming, C++
* **Frameworks**: HTML and CSS, Bootstrap, NodeJS
* **Tools/Platforms**: MySQL, Scikit-Learn, Microsoft Excel.
* **Soft Skills**: Problem-Solving Skills, Team Player, Project Management

# Internship

**Full Stack Web Developer Intern: Jan 2023 – June 2023**

### NXT Wave

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### Built two dynamic web applications, leveraging the power of MERN stack.

### Automated web data collection through software tools and custom scripts, streamlining repetitive tasks effectively.

# Projects

#### Early Prediction & Detection of Pneumonia Using CNN and Random Forest Algorithms:

#### Jan 2024 – Mar 2024

 Leveraging Convolutional Neural Networks (CNN), the system analyzes chest X-ray images for pneumonia detection.

 Combined CNN for image analysis with Random Forest for classification, the hybrid approach enhances performance’

 Achieved improved accuracy of 95%, the model benefits from feature selection and ensemble learning.

 Enabling real-time diagnosis, the system shows potential for integration into healthcare systems.

**Technologies Used:** TensorFlow, Keras, OpenCV, Scikit-Learn, Python, CNN, Random Forest Algorithm.

#### Traffic Sign Recognition Using CNN: Aug 2024 – Nov 2024

 Trained the system on a dataset of traffic signs enables accurate identification and categorization, supporting autonomous driving and intelligent transportation.

 Achieved high accuracy of 96%, the CNN-based deep learning model demonstrates strong performance.

 Utilizing robust training with diverse traffic sign datasets, the model ensures reliability across various conditions.

 Enhancing road safety, the model provides real-time and precise detection of traffic signs.

**Technologies Used:** TensorFlow, Keras, OpenCV, Python, CNN, Scikit-Learn.

# Certificates

## Certified in building static and responsive websites by NXT wave 4.O Technologies. **June - 2023**

* Certified in cloud computing with AWS by Internshala. **October - 2023**
* Certified in PCB design. **June – 2022**
* Certified in solar PV designing by Aveon Technologies. **June – 2022**
* Got a certificate of Presentation skills by TCS iON. **November - 2022**

# Achievements

* Led a team of 4 to develop pneumonia detection model.

#### Recognized for contributions to traffic sign recognition project.

* Completed AWS certification in under 2 months.

# Education

**Lovely Professional University** Punjab, India

### Master’s of Technology – Artificial Intelligence & Machine Learning **Since August 2024**

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**Sri Vasavi Engineering College** Tadepalligudem, Andhra Pradesh

### Bachelor’s of Technology – Electrical & Electronics Engineering;**CGPA:8.0** **june 2020 – March 2024**

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**Narayana Junior College** Bhimavaram, Andhra Pradesh

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### Intermediate; **CGPA: 9.23** **April 2018 - March 2020**

**Maria Montessori E. M High School** Ganapavaram, Andhra Pradesh

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### SSC; **CGPA: 9.5** **April 2017 - March 2018**