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, C++
* **Frameworks**: HTML and CSS, Bootstrap, NodeJS
* **Tools/Platforms**: MySQL, Scikit-Learn
* **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 2023 – Mar 2024

 The system leverages Convolutional Neural Networks (CNN) to analyze chest X-ray images for pneumonia detection.

 Hybrid approach combining CNN for image analysis and Random Forest for classification.

 Improved accuracy of 95% through feature selection and ensemble learning.

 Potential integration into healthcare systems for real-time diagnosis.

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

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

 The system is trained on a dataset of traffic signs to accurately identify and categorize them, aiding in autonomous driving systems and intelligent transportation.

 CNN-based deep learning model for high accuracy of 96% .

 Robust training using diverse traffic sign datasets.

 The model enhances road safety by ensuring 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

* Certified in cloud computing with AWS by Internshala
* Certified in PCB design
* Certified in solar PV designing by Aveon Technologies
* Got a certificate of Presentation skills by TCS iON
* Got a certificate of telephone etiquette by TCS iON

# Achievements

#### Cloud Computing Efficiency:

#### Implemented AWS solutions during internship, reducing costs.

* **Team Project Success:**

Led a team of 4 to develop pneumonia detection model.

#### ML Project Recognition:

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

* **Quick Certification Completion:**

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