Sai Abhi Chandra Muchhakarla

Linkedin: www.linkedin.com/in/sai-abhi-chandra-muchhakarla   Email: abhimuchhakarla@gmail.com
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

- **Soft Skills**:   Problem-Solving Skills, Team Player, Project Management

INTERNSHIP

- **Full Stack Web Developer Intern:**   Jan 2023 – June 2023
  NXT Wave
  - 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
  - Leveraging Convolutional Neural Networks (CNN), the system analyzes chest X-ray images for pneumonia detection.
  - Combining CNN for image analysis with Random Forest for classification, the hybrid approach enhances performance'
  - Achieving 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
  - Training the system on a dataset of traffic signs enables accurate identification and categorization, supporting autonomous driving and intelligent transportation.
  - Achieving 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

- 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

- AWS solutions during internship, reducing costs.
- 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*

- **Sri Vasavi Engineering College**   Tadepalligudem, Andhra Pradesh
  Bachelor's of Technology – Electrical & Electronics Engineering; CGPA:8.0   *june 2020 – March 2024*

- **Narayana Junior College**   Bhimavaram, Andhra Pradesh
  Intermediate; CGPA: 9.23   *April 2018 - March 2020*

- **Maria Montessori E. M High School**   Ganapavaram, Andhra Pradesh
  SSC; CGPA: 9.5   *April 2017 - March 2018*