Sai Abhi Chandra Muchhakarla

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SKILLS

- **Languages**:   Python, C, Java, C++

- **Frameworks**:   HTML ,CSS, Bootstrap, Django, NodeJS, Scikit-Learn, Tensorflow,

- **Tools/Platforms**: MySQL, Power BI, Jupyter Notebook, Postman

- **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
  - 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*
- **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*