ADDAGURI ARUN KUMAR

934-653-5546 arunkumaraddaguri@gmail.com linkedin.com/in/addaguri-arun-kumar github.com/arun2401

Education

BV Raju Institute of Technology **June 2026**
Bachelor of Technology in Artificial Intelligence and Machine Learning *CGPA-8.53*

NSR Impulse Junior College **April 2021**
Intermediate Education *Score-978*

BL Mother Teresa HS **April 2020**
Secondary Education *GPA-10*

Technical Experience

IBM-Mastering Data With Machine Learning Internship **October 2024**

- Gained practical experience in key machine learning concepts, including data preprocessing, model evaluation, and hyperparameter tuning.
- Worked on supervised and unsupervised learning algorithms to develop predictive models using Python.
- Collaborated with instructors and peers to refine problem-solving strategies and enhance model performance.

AWS Academy- AI-ML Virtual Internship **Jan 2025 - March 2025**

- Gained hands-on experience with AWS services like Amazon SageMaker, Lambda, and S3 for deploying and managing machine learning models in cloud environments.
- Developed and optimized ML models, focusing on real-world cloud-based applications and solutions using AWS tools.
- Worked on projects that involved applying supervised learning algorithms and model training to derive actionable insights from data.

Projects

Pneumonia Detection Using CNN | *Python, Jupyter Lab* **June 2024**

- The objective is to develop a CNN-based model for accurate pneumonia detection from chest X-ray images.
- A ResNet50 model is used for feature extraction and Random Forest is used for classification using Chest X-Ray Dataset.

Medicinal Leaf Recognition Using Swin Transformer (Ongoing) | *Python, Google Colab* **January 2025**

- The objective of this project is to develop an automated deep learning-based system using the Swin Transformer for accurate identification of medicinal leaves.
- A Shifted Window Self-Attention (SW-MSA) mechanism is used for feature extraction and Swin Transformer model for classification using VNPlant200 dataset.

Video-Based Exercise Classification Using Swin Transformer (Ongoing) | *Python, Google Colab* **January 2025**

- Built an automated exercise recognition model trained on Hasyim Abdillah's Workout/Fitness Video Dataset.
- Utilized Shifted Window Self-Attention (SW-MSA) in Swin Transformer to extract motion-based spatial-temporal features.

Skills

Programming Languages: Python, Java, C, MySQL.

Core Domain Skills: Machine Learning, Deep Learning, Computer Vision.

Computer Science Concepts: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems.

Tools: Microsoft Office , VS Code , Juypter Notebook , Github , Google Colab

Other Skills: Ms-Word, Problem Solving, Communication, Team Work.

Courses and Certifications

- Google Cloud Skills Boost Member (Silver League) -View Profile
- AWS AI-ML Virtual Internship (2025)
- Course Completion Certificate in Level 1 E-Commerce & Tech Quiz of the Flipkart GRiD 6.0 - Software Development
- Learning Plan for Mastering Data with Machine Learning Internship on IBM Skills Build (2024).
- Course Completion Certificate in The Joy of Computing Using Python - NPTEL
- Course Completion Certificate Privacy and Security in Online Social Media - NPTEL
- Course Completion Certificate Soft Skills (ELITE) - NPTEL

Co-Curricular Activities

- Webcasting Team Member, MLA Elections Coverage (2023)