

DEVARAM SAI DURGA PRASAD REDDY

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Education

BV Raju Institute of Technology

Bachelor of Technology in Artificial Intelligence and Machine Learning

June 2026

CGPA-7.57

Sri Chaitanya Junior College

Intermediate Education

April 2022

Score-955

Sri Venkata Sai Vidyaniketan

Secondary Education

April 2020

GPA-9.8

Technical Experience

CodSoft-Machine Learning Intern

February 2025 – March 2025

- Developed a Movie Genre Classification Model using TF-IDF and machine learning classifiers to predict movie genres based on plot summaries.
- Built a Customer Churn Prediction Model utilizing Logistic Regression and Random Forests to analyze customer behavior and retention.
- Implemented a Spam SMS Detection System leveraging Naïve Bayes and Support Vector Machines, improving message classification accuracy.

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.

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 , Jupyter Notebook , Github , Google Colab

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

Courses and Certifications

- Google Cloud Career Launchpad - APAC Member(Gold League) -View Profile
- Course Completion Certificate (Elite) in Soft Skills - NPTEL
- Learning Plan for Mastering Data with Machine Learning Internship on IBM Skills Build (2024).
- Course Completion Certificate (Elite) in Privacy And Security - NPTEL
- Course Completion Certificate in HTML5 - Infosys SpringBoard
- Course Completion Certificate in Level 1 E-Commerce & Tech Quiz of the Flipkart GRiD 6.0 - Software Development

Co-Curricular Activities

- Webcasting Team Member, MLA Elections Coverage (2023)