

# B.V.S.VARSHINI

Doddaballapura | bvsvarshini@gmail.com | 7676181227 | linkedin.com/in/b-v-s-varshini-877964308

github.com/bvsvarshini

## Education

---

**Mohan Babu University**, B.Tech in Computer Science and Engineering (AI & ML) Oct 2022 – May 2026  
• CGPA: 9.35

## Experience

---

**International Institute of Information Technology Bangalore(IITB) | Research Intern** May 2024 - July 2024

- Developed a CNN model for classifying tomato leaf diseases with high accuracy
- Implemented a DCGAN to generate synthetic images of healthy and diseased tomato leaves, improving dataset diversity
- Explored CNN-DCGAN integration to enhance disease detection on small datasets, improving accuracy through GAN-generated data

**AICTE TechSaksham – A CSR initiative by Microsoft & SAP | Virtual Intern** Dec 2024 - Jan 2025

- Worked on Identifying Shopping Trends using Data Analysis, leveraging Python libraries for data processing and augmentation
- Analyzed and segmented data to derive meaningful insights and solve a real-world problem

**Aeronautical Development Agency | Summer Trainee** May 2025 - June 2025

- Worked on containerizing applications using Docker for consistent and isolated environments
- Developed C# scripts in Unity and explored Unreal Engine for immersive technology development
- Developed web applications using Flask framework with SQLite3 as the backend database

**Deloitte Australia – Data Analytics Job Simulation | Virtual Intern** July 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology
- Created a data dashboard using Tableau

## Projects

---

**Tomato Leaf Disease Detection using Generative Adversarial Networks**

- Developed a tomato leaf disease detection system using DCGAN with integration of CNN
- Technologies Used: Python, CNN, DCGAN, Transfer Learning, TensorFlow, Keras, Matplotlib, Seaborn, Numpy

**Spam Mail Detection using Natural Language Processing**

- Implemented NLP-based spam detection using Python libraries for efficient text preprocessing and analysis
- Technologies Used: Python, Pandas, Matplotlib, NLTK (Natural Language Toolkit), Seaborn, WordCloud, Scikit-learn

**User Authentication Website using Flask and SQL database**

- Built a website using Flask and SQLite, with secure user authentication, form validation, and password hashing
- Technologies Used : Flask, SQLite, HTML, CSS, Python

**3D Player Controller with Physics and Animation**

- Designed a 3D player controller with movement, jumping, and physics-based object interactions using raycasting and Unity's Rigidbody system
- Technologies Used : Unity3D, C#, Rigidbody Physics, Raycasting, Input System, Animator Controller

## Certifications

---

- Google IT Automation - Coursera
- Certified System Administrator - ServiceNow
- Python Full Stack - EduSkills

## Extracurricular Activities

---

- AI/ML Head – IEEE Society, Mohan Babu University
- Google Cloud Arcade Facilitator, Google Cloud
- ML Research Enthusiast, Kaggle

## Skills

---

**Programming Languages:** Python, Java

**Web Development:** HTML, CSS, JavaScript

**Artificial Intelligence & Machine Learning:** Machine Learning, Deep Learning, Artificial Intelligence, Neural Networks, Generative AI, Computer Vision, Natural Language Processing (NLP), Prompt Engineering, Image Processing

**Soft Skills:** Critical Thinking, Problem Solving, Effective Communication, Creative Writing, Leadership

**Languages Spoken:** English, Telugu, Hindi, Kannada

## Declaration

---

I hereby declare that all the information provided above is true to the best of my knowledge