

Miryala Lavanya



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OBJECTIVE

Enthusiastic Python developer with hands-on experience in software development and data-driven projects. Passionate about exploring Generative AI, Large Language Models (LLMs), and emerging technologies. Adept at problem-solving, writing clean and efficient code, and collaborating in dynamic environments to build scalable, intelligent solutions.

SKILLS AND INTERESTS

- **Programming Languages** Python, Java, HTML, CSS, JavaScript, SQL
- **Framework** Spring Boot, REST APIs, Maven, Bootstrap
- **Core Expertise** Python App Development, GUI Development, API Integration
- **Soft Skills** Analytical Thinking, Time Management, Teamwork & Collaboration, Adaptability

EXPERIENCE/TRAINING

Tamizhan Skills – RISE Internship (Python Programming)

June 2025 - July 2025

- Successfully completed a 1-month internship focused on Python application development.
- Strengthened core programming knowledge and explored libraries/frameworks like Tkinter and API integration.
- Developed multiple end-to-end applications emphasizing clean, modular, and reusable code.

Key Projects:

- Currency Converter App
- Expense Tracker (CLI)
- Library Book Management System
- Quiz App using Tkinter
- Weather App using API
- To-Do List App
- Password Generator Tool
- Simple Rule-Based Chatbot

Python Programming – Internshala

Sep 2023 - Nov 2023

- Completed a 6-week certified course covering OOP, SQLite integration, and GUI development using PyQt.
- Built 3+ mini-projects applying Python to real-world problems, including data handling and UI creation.

Java Developer Intern - TNS India Foundation - Java, Rest APIs, Maven, Spring Boot

Mar 2024 - May 2024

- Engineered and deployed 10+ RESTful APIs using Spring Boot, improving backend efficiency by 30%.
- Optimized build process using Maven and maintained 100% deployment stability.
- Integrated MySQL for real-time CRUD operations and data flow.

EDUCATION

- **B.Tech in Computer Science Engineering**
Teegala Krishna Reddy Engineering College, Hyderabad / CGPA: 8.91/10
- **Intermediate (Class XII)**
Narayana Junior College, Hyderabad / Percentage: 96%
- **High School (Class X)**
Varun's Model High School, Hyderabad / CGPA: 10/10

CERTIFICATIONS

- **Python Programming** – Tamizhan Sills
- **Programming with Python** - Internshala Trainings
- **Advanced Data Analytics** - Edunet Foundation
- **Java Full Stack Development** - TNS Foundation

PROJECTS

- Mouse Cursor Movement and Control Using Eye gaze method**

2024
- Developed a computer vision-based HCI system using Python and OpenCV, enabling hands-free control.
 - Achieved 85% accuracy in gaze-based cursor tracking with real-time webcam input.
 - Targeted accessibility improvement for physically challenged users.
- Ride Sharing For Maximizing Passenger Utility Using Blockchain**

2025
- Created a decentralized ride-booking platform on Ethereum blockchain to enhance trust and transparency by 100%.
 - Deployed 5+ smart contracts for ride booking, payments, and fare splitting.
 - Improved booking transparency by 100% and reduced manual coordination.
- College Placement using Java and Spring Boot Project**

2024
- Built backend APIs for a college placement portal.
 - Conducted end-to-end CRUD operations with Spring Boot and MySQL.
 - Ensured modular architecture and 95% test coverage using Postman and unit tests.

HOBBIES

- Listening to Music
- Cooking