

Miryala Lavanya



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OBJECTIVE

Entry-level Software Engineer with a strong foundation in software development, programming principles, and web technologies. Adept at following structured development processes and contributing to collaborative team efforts. Demonstrates curiosity, initiative, and a commitment to continuous learning. Skilled in building and software solutions with accuracy and efficiency under supervision. Eager to apply technical knowledge to solve real-world problems and contribute positively to innovative projects while growing within a professional software engineering community.

SKILLS AND INTERESTS

- **Programming Languages** Python, Java, HTML, CSS, JavaScript, SQL
- **Framework** Spring Boot, REST APIs, Maven, Bootstrap
- **Core Knowledge** OOP, Restful APIs, CRUD Operations
- **Soft Skills** Problem Solving, Analytical Thinking, Time Management, Teamwork & Collaboration, Adaptability

EXPERIENCE/TRAINING

Python Programming - Internshala	Sep 2023 - Nov 2023
<ul style="list-style-type: none">• 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.	2024
Java Developer Intern - TNS India Foundation - Java, Rest APIs, Maven, Spring Boot	
<ul style="list-style-type: none">• 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

<ul style="list-style-type: none">• B. Tech in Computer Science Engineering	Nov 2021 -May 2025
Teegala Krishna Reddy Engineering College, Hyderabad / CGPA: 8.91/10	
<ul style="list-style-type: none">• Intermediate (Class XII)	2019 – 2021
Narayana Junior College, Hyderabad / Percentage: 96%	
<ul style="list-style-type: none">• High School (Class X)	2018 - 2019
Varun's Model High School, Hyderabad / CGPA: 10/10	

CERTIFICATIONS

- **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.

HIGHLIGHTS

- Solid foundation in full-cycle software development, from design to deployment.
- Experienced in writing clean, maintainable, and testable code.
- Fast learner with adaptability to modern tools, frameworks, and agile environments.
- Comfortable working in hybrid setups with a strong sense of collaboration and accountability.

HOBBIES

- Listening to Music
- Cooking