# Miryala Lavanya

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# PROFESSIONAL SUMMARY

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

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

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| --- | --- | --- | --- | --- |
| * **Programming Languages** * **Framework** * **Core Knowledge** * **Soft Skills**   **EXPERIENCE/TRAINING** | Python, Java, HTML, CSS, JavaScript, SQL  Spring Boot, REST APIs, Maven, Bootstrap  OOP, Restful APIs, CRUD Operations  Problem Solving, Analytical Thinking, Time Management, Teamwork & Collaboration, Adaptability | |  | |
| **Python Programming - Internshala**   * 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   * 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** | | | **Sep 2023 - Nov 2023**  **2024** | |
| * 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** | | **Nov 2021 -May 2025**  **2019 – 2021**   1. **- 2019** | |

* **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