

## 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

- **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

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|--|----------------------------|
| <b>Python Programming - Internshala</b>  | <b>Sep 2023 - Nov 2023</b> |
| <ul style="list-style-type: none"><li>• Completed a 6-week certified course covering OOP, SQLite integration, and GUI development using PyQt.</li><li>• Built 3+ mini-projects applying Python to real-world problems, including data handling and UI creation.</li></ul>  |                            |
| <b>Java Developer Intern - TNS India Foundation</b>  | <b>2024</b>                |
| <ul style="list-style-type: none"><li>• Engineered and deployed 10+ RESTful APIs using Spring Boot, improving backend efficiency by 30%.</li><li>• Optimized build process using Maven and maintained 100% deployment stability.</li><li>• Integrated MySQL for real-time CRUD operations and data flow.</li></ul> |                            |

## EDUCATION

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

## CERTIFICATIONS

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

## PROJECTS

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### 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

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- 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

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- Listening to Music
- Cooking