

# Kotipatruini Tirumala Rao

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## OBJECTIVE

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Motivated IT student skilled in Python, Java, Spring Boot, and React. Finalist in a state-level hackathon with experience building practical, end-to-end solutions. Eager to contribute as a Software Engineer

## SKILLS

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**Languages:** Java (Core, Collections, JDBC), Python(Numpy, Pandas).

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

**Frameworks & Libraries:** SpringBoot, React+vite, Bootstrap 5

**Databases:** MySQL

**Tools & Version Control:** Git, GitHub, Visual Studio Code, Eclipse IDEA, IntelliJ IDEA, Postman

**Soft Skills:** Communication, Teamwork, Adaptability, Problem-Solving

## EDUCATION

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<b>Bachelor's of Technology in Information Technology</b> <i>Agni College Of Technology</i> <ul style="list-style-type: none"><li>8.62 CGPA</li></ul>	2022 – 2025 Chennai, India
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<b>Diploma in Mechanical Engineering</b> <i>Hindustan Institute of Engineering Technology</i> <ul style="list-style-type: none"><li>87%</li></ul>	2017 – 2020 Chennai, India
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<b>Secondary Education (X)</b> <i>Sri Chaitanya Techno School</i> <ul style="list-style-type: none"><li>8.2 CGPA</li></ul>	2016 – 2017 Srikakulam, India
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## PROJECTS

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### Weather Data Visualization

*Data Analysis & Visualization Project*

- Built a data visualization using Python, Pandas, and Matplotlib to analyze historical weather data.
- Created interactive plots and trend analysis for parameters like temperature, humidity, and wind speed.
- Improved data-driven insights by cleaning and preprocessing large datasets for accuracy.

### AutoZ

*Full-Stack Web Application*

- Developed a comprehensive full-stack platform using **React** for the frontend and **SpringBoot** for the backend, allowing vehicle owners to book repair services, explore rentals, and browse spare parts.
- Engineered a clean, responsive user interface with real-time updates for seamless use on any device.
- Built RESTful APIs to connect the frontend to a MySQL database, managing user data, bookings, and inventory.

## EXPERIENCE

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### ALSTOM Transport India Limited

*Trainee | Sri City, India | Sep 2021 – Jun 2022*

- Contributed to the assembly, testing, and quality assurance of Rolling Stocks, working closely with senior engineers to meet production targets.

- Gained hands-on experience in a large-scale manufacturing environment, ensuring adherence to quality and safety standards.

## OASIS INFOBYTE

*Java Developer Intern (Remote) | Chennai, India | Aug 2023 – Sep 2023*

- Developed and debugged core features for Java applications, successfully resolving bugs and improving application stability.
- Collaborated with a remote team, focusing on Java programming tasks and contributing to the software development lifecycle.

## ACHIEVEMENT

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### TNcpl Hackathon Finalist

*Naan Mudhalvan - Anna University*

- Secured a position as the **22nd team overall** in the grand finale, competing against an initial pool of over 36,200 teams from 500+ colleges across Tamil Nadu.
- Developed a tool to translate educational materials into local languages, enhancing learning accessibility for a wider audience

### Research Paper Presentation (IDCIoT-2025)

- Successfully presented the research paper "IoT-Based System for Human Animal Deterrence and Sustainable Crop Management" at the 3rd International Conference on Intelligent Data Communication Technologies and Internet of Things, organized by IEEE.

## CERTIFICATES

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SQL 

hackerrank

Python 

Sololearning

Full Stack Developer

FITA