

# KODIGANTI SAI TARUN REDDY

Andhra Pradesh, India

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## PROFESSIONAL SUMMARY

A detail-oriented and innovative Computer Science and Engineering graduate specializing in Artificial Intelligence and Machine Learning, with hands-on experience in full-stack web development, AI-driven solutions, and IoT projects. Proficient in Python, Java, MySQL, and the MERN stack, with strong foundations in software engineering, data structures, and distributed systems. Experienced in developing scalable web applications, implementing automation workflows, and collaborating in cross-functional teams to deliver high-quality products. Certified AWS Cloud Practitioner and MERN Full Stack Developer, with a proven ability to learn quickly, solve complex problems, and adapt to emerging technologies. Passionate about building impactful solutions that blend AI, automation, and modern software development practices.

## EDUCATION

<b>B.Tech – Computer Science and Engineering (AI &amp; ML)</b> VIT-AP University, Andhra Pradesh CGPA: 7.91	<b>June 2021 – May 2025</b>
<b>Intermediate – MPC</b> SRM Junior College, Hyderabad CGPA: 9.11	<b>June 2019 – March 2021</b>
<b>Secondary High School (CBSE)</b> Delhi Public School, Hyderabad CGPA: 8.27	<b>April 2018 – April 2019</b>

## WORK EXPERIENCE

<b>Hajana Technologies</b> <i>SDE Intern, Remote</i>	<b>September 2025 – Present</b>
· Revamped the company's core website architecture with a 3-member development team, modernizing the UI/UX using Next.js, TypeScript, and Tailwind CSS, resulting in a 40% improvement in load speed and responsiveness.	
· Engineered and integrated AI-powered automation workflows and B2B solutions using Python, REST APIs, and machine learning models, boosting operational efficiency and client onboarding speed.	
· Collaborated closely with design and backend teams to enhance application scalability, ensuring optimized performance across all modules.	
· Automated build and deployment pipelines to streamline development processes and reduce manual overhead during releases.	
· Supported end-to-end deployment processes across development and production environments, ensuring stable, reliable, and high-performance application delivery.	
· Implemented API monitoring and logging mechanisms to improve system reliability and reduce troubleshooting time during production incidents.	
· Contributed to documentation, including API specifications and deployment workflows, improving team onboarding and knowledge sharing.	

## PROJECTS

<b>Object Detection Radar</b> <i>Arduino IDE, Ultrasonic Sensor</i>	<b>January 2023 – May 2023</b>
· Developed an object detection radar system using an ultrasonic sensor, detecting objects within a 180-degree range and alerting via a beeper.	
· Utilized Arduino Nano and servo motors to rotate the sensor, providing real-time object detection, improving obstacle detection capabilities.	

**Personal Finance Tracker**  
*MERN Stack, Ethnus Internship*

August 2023 – November 2023

- Developed a web-based application designed to empower users to manage their Finances.
- Designing the Application's UI using React Framework and Using Express as a Backend Framework built upon node to simplify the process of creating web applications and API Building and used MongoDB to store and retrieve data from the database.
- Collaborated with the team to integrate APIs and optimize front-end performance.

**AI-Based IT Training System**

August 2024 – December 2024

- Developed an interactive AI-powered web application using Python (Django) and MySQL.
- Designed an admin portal for managing resources, exams, and mock interviews, and a user portal offering personalized learning paths, subject-based assessments, and a chatbot for query resolution.
- Implemented AI-driven functionalities for resource management, automated assessments, and real-time support, bridging traditional training and modern AI-powered methods.

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## TECHNICAL SKILLS

<b>Languages</b>	Python, Java, JavaScript, TypeScript, SQL, MySQL
<b>Web Tech &amp; Frameworks</b>	React.js, Next.js, HTML5, CSS3
<b>Backend &amp; APIs</b>	Node.js, Express.js, REST API Development
<b>Full Stack</b>	MERN Stack
<b>AI &amp; ML</b>	ML Model Integration, AI Automation Workflows, scikit-learn, Pandas, NumPy
<b>CCS Fundamentals</b>	DSA, OOP, DBMS, OS, DAA

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## STUDENT CLUB EXPERIENCE

**Photography Club Member**

- Recruited new members to increase club participation.
- Managed social media accounts to promote events and maintain communication.
- Designed and distributed emails for event announcements.
- Participated in competitions and contributed to creative projects.

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## CERTIFICATIONS

AWS Cloud Practitioner

MERN Full Stack Development