

Mounica Surya Durga Naga Sree Polisetty

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CAREER OBJECTIVE

Seeking an entry-level software engineering role on a product-focused team where I can apply strong programming fundamentals, data structures, and system-design thinking to build scalable, production-quality backend or full-stack services that improve user experience and performance. I aim to contribute to high-impact feature development, automation, and measurable reliability and performance improvements while growing my expertise in cloud and distributed systems through collaborative engineering and data-driven optimization.

INTERNSHIPS

Learn square – Java Full-Stack Intern *Jun 2025 – Jul 2025*

- Developed RESTful APIs (Spring Boot, MySQL) to support user authentication and progress tracking.
- Implemented front-end components in React/HTML/CSS enhancing interface responsiveness by 15%.
- Integrated database operations for quiz modules; collaborated with a UX designer to refine UI workflows.
- Conducted unit testing (JUnit) and bug fixes, increasing test coverage from 70% to 95%.

ACITE-Eduskills – Microchip Embedded Systems Intern (Virtual) *Apr 2024 – Jun 2024*

- Led development of a microcontroller project using Microchip tools, designing PCB prototype for IoT sensor module.
- Implemented firmware in Embedded C for real-time sensor data acquisition and USB communication.
- Collaborated with a remote team to integrate sensor libraries and improving data sampling stability by ~20%.
- Documented design decisions and performed functional testing using oscilloscopes/logic analyzers, ensuring reliability.

PROJECTS

- **Flash Learn – Smart Practice Platform (Java Spring Boot, React, MySQL):** Developed a full-stack web app for student exam prep. Built RESTful APIs and database schema, integrated front-end (React) and back-end services (Spring Boot). Features include coding/aptitude quizzes and flashcard review. Achieved a responsive UI and streamlined learning workflow.
- **Full-Stack E-commerce (Java, Spring Boot, React, MySQL):** Implemented product catalog, shopping cart, checkout flows and an admin panel with role-based views; integrated sandbox payment flow and server-side order validation, added backend product search and filtering, and created seed scripts plus integration tests to validate key user journeys.
- **Weather App (JavaScript, HTML, CSS, OpenWeatherMap API):** Built an interactive weather dashboard using a real-time API to show forecasts and location-based data; added robust error handling and a lightweight local Storage cache to reduce repeated API calls and improve perceived performance.

EDUCATION

Sri Vasavi Engineering College, Tadepalligudem (B.Tech ECE)	CGPA: 8.57/10	2022-2026
Aditya Junior College, Palakol (M.P.C)	CGPA: 8.9/10	2020-2022
Sri Vaishnavi High School (SSC)	CGPA: 10/10	2019-2020

CERTIFICATIONS

- Core Java (Naresh IT) – certification course completion
- Cybersecurity Course (Aadhar & Capgemini) – participation certificate
- Microsoft – Career Essentials in Software Development
- AWS – Solutions Architecture Job Simulation
- Deloitte – Data Analytics Virtual Internship (Job Simulation)
- Accenture – Data Analytics & Visualization Virtual Internship (Job Simulation)
- Infosys – Cohort 5 Training (Technical)
- Futureskill–IOT software analyst
- IoT2HACK-2K24 Hackathon (2-day, Task-Based IoT) participant
- Diligent Refresher Program, Embedded Systems (6-days)

TECHNICAL SKILLS

- **Software/Languages:** Java, Javascript , C, Python
- **Frameworks / Libraries:** Spring Boot, React
- **Databases:** MySQL
- **Tools:** Linux, VS Code, Git, GitHub, Postman
- **Topics / Concepts:** Data structures & algorithms, RESTful APIs

ACHIEVEMENTS & AWARDS

- 1st Place – National Space Day poster presentation.
- NPTEL Elite certification – Internet of Things; NPTEL Elite – Programming in Java.
- Coordinator–Photography Club, Event coordinator–Tech Euphoria 2K25, college level.