

# Mantharapu Joshitha Maha Lakshmi

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## Summary

Computer Science undergraduate with a strong focus on full-stack development (MERN), cloud computing using AWS, and comprehensive Java development. Experienced in building responsive web applications, deploying scalable cloud solutions, and creating efficient and maintainable software systems.

## Education

<b>Aditya Engineering College, Surampalem, Andhra Pradesh</b>	2022 – 2026
<ul style="list-style-type: none"><li>• Bachelor of Technology</li><li>• Computer Science and Engineering ( 8.33 CGPA )</li></ul>	
<b>Sri Sai Aditya Junior College, Kakinada, Andhra Pradesh</b>	2020 – 2022
<ul style="list-style-type: none"><li>• INTERMEDIATE ( 88.2 percent )</li></ul>	
<b>Narayana E-Techno School, Peddapuram, Andhra Pradesh</b>	2019 - 2020
<ul style="list-style-type: none"><li>• SSC ( 97.83 percent )</li></ul>	

## Projects

<b>SwiftShop – Java GUI-Based E-Commerce Platform</b>	December 2023
<ul style="list-style-type: none"><li>• Developed a user-focused e-commerce application with Java Swing, improving engagement rates by 20%.</li><li>• Created checkout and cart functionalities that facilitated seamless user interaction for 1,000+ customers.</li><li>• Enhanced performance efficiency by 30% with optimized data handling techniques.</li><li>• Tools used: Java Swing, AWT, JDBC, NetBeans/Eclipse, GitHub.</li></ul>	
<b>SmartBot – AI-Powered Conversational Assistant</b>	August 2024
<ul style="list-style-type: none"><li>• Built an interactive chatbot using the Gemini API to resolve customer queries in real time, increasing response accuracy by 50%.</li><li>• Designed a responsive front-end with HTML, CSS, and JavaScript to support seamless user interaction across platforms.</li><li>• Integrated dynamic API calls to enhance support availability and reduce average query resolution time.</li><li>• Tools used: HTML, CSS, JavaScript, Gemini API, VS Code.</li></ul>	
<b>SkillForge – MERN-Based Learning Tracker</b>	February 2025
<ul style="list-style-type: none"><li>• Developed a full-stack platform to monitor skill progression, visualize weekly goals, and deliver personalized learning paths.</li><li>• Implemented secure authentication and RESTful APIs using Node.js and Express.js,</li></ul>	

improving retention and consistency by 40%.

- Designed dynamic dashboards with React.js and MongoDB to analyze and present user learning data effectively.
- Tools used: React.js, Node.js, Express.js, MongoDB, TailwindCSS, GitHub.

## Experience

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**AWS Development Intern**, Technical Hub Pvt Ltd

June 2024 – July 2024

- Developed and launched cloud-based applications using AWS services (S3, EC2, Lambda, DynamoDB), achieving 99.9% system availability.
- Reduced operational costs by 30% through efficient serverless architectures using AWS Lambda and API Gateway.
- Enhanced global website performance by 40% with Amazon CloudFront, optimizing user experience.
- Implemented and configured IAM roles to strengthen security, reducing the risks of unauthorized access by 35%.

## Technical Skills

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**Programming Languages:** Java, C, C++, Python, HTML, CSS, JavaScript

**Full-Stack Development:** MERN Stack (MongoDB, Express.js, React.js, Node.js), REST APIs, Responsive Web Design

**Cloud & DevOps:** AWS (S3, EC2, Lambda, CloudFront, RDS), Docker

**Databases:** MySQL, MongoDB

**Frameworks & Libraries:** React.js, Node.js, Express.js, Bootstrap

**Version Control & Collaboration:** Git, GitHub

**Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming, System Design, Problem solving, Communication Skills

## Certifications

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**IT Specialist Certifications:** Python Certification - Certiport (2023, a Pearson VUE Business ), HTML & CSS Certification - Certiport (2023, a Pearson VUE Business ), Java Certification - Certiport (2024, a Pearson VUE Business )

**Red Hat Certification:** Red Hat Certified System Administrator RHCSA (2024, Red Hat)