Dwarampudi Suresh Reddy

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Summary

Software Engineering aspirant and Computer Science undergraduate with hands-on experience building scalable systems and modern web applications. Strengths include data structures, algorithms, and full-stack development (MERN). Designed and deployed 5+ AWS-based cloud solutions, optimizing performance and cost efficiency. AWS Certified Developer – Associate. Improved backend processing speed by 30% using Java multithreading and introduced React-based UI components that increased user engagement by 25%. Continuously learning new technologies and passionate about driving meaningful impact through innovation and engineering excellence.

Education

Aditya Engineering College, Surampalem, Andhra Pradesh   2022 – 2026
- Bachelor of Technology
- Computer Science and Engineering (7.32 CGPA)

Sasi Junior College, Velivennu, Andhra Pradesh   2020 – 2022
- INTERMEDIATE (85.2 percent)

ZPP High School, Kuthukuluru, Andhra Pradesh   2019 - 2020
- SSC (87.67 percent)

Experience

AWS Development Intern, Technical Hub Pvt Ltd   June 2024 – July 2024
- Developed and deployed 4+ cloud-based applications using AWS services including S3, EC2, Lambda, and DynamoDB, achieving 99.9% system uptime.
- Designed serverless workflows with AWS Lambda and API Gateway, reducing backend maintenance efforts by 40%.
- Optimized RESTful APIs to handle over 10,000 daily requests with latency reduced by 25%.

Full-Stack Web Development Intern, Opentab Innovations Pvt Ltd   May 2025 – July 2025
- Built and deployed 3 responsive web apps using MERN stack, serving 5,000+ monthly active users.
- Implemented secure JWT-based auth systems, reducing unauthorized access by 90%.
- Deployed apps via Vercel and used Agile SCRUM to complete sprints 15% ahead of schedule.

Projects

FitAI – AI-Powered Fitness Diet Planner (Full-Stack)   2025
- Built a diet planning platform with React, Node.js, and MongoDB; used OpenAI to generate 1000+ personalized meal plans.

- Achieved 95% accuracy in nutritional suggestions based on user goals and preferences.
- Delivered project 2 weeks ahead of schedule with 100% test coverage using Jest.
- Tools: React.js, Node.js, Express.js, MongoDB, OpenAI API, Bootstrap, Git, RESTful APIs, Jest.

QueryBot – AI Chatbot for Automated Support   2024
- Developed chatbot using ChatGPT API to handle 80% of support queries, cutting manual effort by half.
- Added performance monitoring and automated testing, increasing reliability across use cases by 20%.
- Enhanced responsiveness and cross-device support, boosting mobile usage by 35%.
- Tools: HTML, CSS, JavaScript, ChatGPT API, RESTful APIs, Git.

LibraTrack – Java-Based Library Management System   2024
- Engineered a desktop library system using Java Swing for 300+ book titles and 150+ active users.
- Integrated MySQL backend with JDBC for real-time search and member tracking.
- Reduced runtime errors by 30% via robust object-oriented principles and exception handling.
- Tools: Java, Swing, AWT, JDBC, MySQL.

Technical Skills

Programming Languages: Java, Python, JavaScript, HTML, CSS

Computer Science Fundamentals: Data Structures, Algorithms, Object-Oriented Programming, System Design, Time/Space Complexity Analysis

Cloud Engineering: AWS (S3, EC2, Lambda, CloudFront, DynamoDB, RDS), IAM, Serverless Architecture, Cloud Security

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

Databases: MongoDB, MySQL, DynamoDB, Database Design and Optimization, Query Performance Tuning

DevOps & Tools: Docker, Git, GitHub, Postman, AWS CLI, Agile Development, CI/CD, Jest, Unit Testing, Integration Testing

Core Competencies: Problem Solving, Algorithm Design, Team Collaboration, Stakeholder Communication, Performance Optimization, Product Management Coordination

Certifications

AWS Certified Developer – Associate, Amazon Web Services (AWS), 2025

IT Specialist – Java Certification, Certiport (a Pearson VUE Business), 2024

IT Specialist – HTML and CSS Certification, Certiport (a Pearson VUE Business), 2023

IT Specialist – Python Certification, Certiport (a Pearson VUE Business), 2023