

Gunja Durgarao
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Bachelor of Technology
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🔗 GitHub Profile
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Profile

Third-year Computer Science and Engineering student specializing in DevOps, with a strong foundation in full-stack development, distributed systems, and cloud-native technologies. Proficient in C++, Python, and Java, with experience developing scalable backend systems using Spring Boot, Django, and React. Familiar with Unix/Linux environments, Docker, and Kubernetes. Certified in AWS, Red Hat, and AI. Eager to contribute to cutting-edge projects in large-scale systems, information retrieval, and AI.

Education

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| • Bachelor of Technology in Computer Science and Engineering (Devops) | 2022-26 |
| Koneru Lakshmaiah Education Foundation, Vijayawada | CGPA: 9.5 |
| • Intermediate (Mathematics, Physics, and Chemistry) | 2020-22 |
| Sri Chaitanya Junior College, Vijayawada | CGPA: 9.62 |

Skills

Languages: C/C++, Python, Javascript, Java, HTML+CSS

Tools: Nodejs, VScode, Git, Github, Docker

Frameworks: ReactJs, SpringBoot, Django

Cloud/Databases: MongoDB, Relational Database (MySQL)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

Personal Projects

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| • Student Course Management System (Django, PostgreSQL) | 🔗 GitHub Source Code |
| – Designed and developed a responsive full-stack web application using Django for backend and HTML/CSS for frontend, enhancing user experience by 40%. | |
| – Built a comprehensive course management platform, reducing manual administrative tasks by 60%. | |
| – Implemented optimized PostgreSQL queries, improving data retrieval speed by 30%. | |
| – Contributed across the stack by developing both frontend and backend components, ensuring 99.9% uptime for student and admin operations. | |
| • Smart City Application (Spring Boot, MySQL) | 🔗 GitHub Source Code |
| – Developed a full-stack web-based Smart City management system, automating 70% of city service operations. | |
| – Designed and implemented real-time frontend updates using JavaScript, reducing response time for service requests by 50%. | |
| – Integrated user-friendly dashboards to increase citizen engagement by 35%. | |
| – Optimized backend performance and query execution by 40%, contributing to both UI design and REST API development for a scalable architecture. | |

Certificates

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| • AWS Certified Cloud Practitioner AWS May 2024 | Verify |
| • Certified AI Associate Salesforce October 2024 | Verify |
| • EX183 Red Hat Certified Enterprise Application Developer Red Hat December 2024 | Verify |

Open Source Virtual Experiences:

- AWS APAC Solutions Architecture Virtual Experience Program | Forage | February 2025
 - * Designed a scalable hosting architecture using Elastic Beanstalk, improving response times by 40 percentage for a growing client.
 - * Presented the proposed architecture in plain language, ensuring clear communication of costs and benefits.
- Skyscanner Front-End Software Engineering virtual experience programme on Forage - February 2025
 - * Completed a job simulation where I built a web application using React as a front-end engineer at Skyscanner.
 - * Developed a page for picking a travel date using Skyscanner's open-source Backpack React library.
 - * Customised my application and ran automated tests to ensure it rendered properly.