

Medidi Satya Venkata Manikanta

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Summary:

Software Engineer with expertise in Java (Spring Boot, Hibernate), Python (Flask, Django), and JavaScript (React, Node.js). Skilled in RESTful API design, microservices, cloud computing (AWS, GCP), and CI/CD automation (Jenkins, GitHub Actions). Experienced in database optimization (MySQL, PostgreSQL, MongoDB), security compliance (PCI-DSS, Snyk), and test-driven development (JUnit, Selenium, PyTest). Adept at building scalable, high-performance applications and collaborating in Agile teams.

Work Experience:

Graduate Teaching Assistant

University of North Texas, Denton | August 2024 - Present

- Assisted in designing course materials and conducting lectures on data structures, operating systems, and software development.
- Provided guidance to students in debugging code, troubleshooting issues, and best programming practices.
- Evaluated student performance and provided constructive feedback to improve coding and problem-solving skills.

Software Engineer

Gensol Infotech, Bangalore | June 2022 - August 2023

- Developed and maintained enterprise-level Java EE applications using Spring Boot, Hibernate, and JPA for efficient data persistence.
- Designed and implemented RESTful APIs and microservices architectures, ensuring scalability and security in financial applications.
- Led multithreaded programming initiatives to optimize real-time financial transaction processing with low latency and high availability.
- Built and deployed responsive web applications using React.js, Angular, HTML5, CSS3, JavaScript, and TypeScript.
- Managed relational databases (SQL, MySQL, PostgreSQL) with query optimization techniques for data integrity and performance.
- Integrated CI/CD pipelines using Jenkins and GitHub Actions to streamline deployments and automate testing.
- Ensured PCI-DSS compliance and implemented security best practices using Snyk to identify and mitigate vulnerabilities.
- Worked in an Agile environment, contributing to TDD (Test-Driven Development) and utilizing JUnit, Selenium, and shift-left testing to enhance code quality.

Education:

Master of Science in Computer Science

University of North Texas, Denton, TX | Expected May 2025

CGPA: 3.6

Bachelor of Science in Aeronautical Engineering

Hindusthan Institute of Technology, Coimbatore, India | May 2022

CGPA: 9.16/10

Internships:

Student Intern

Vaayusastra Aerospace, Chennai | April 2022 - May 2022

- Conducted market research and data analysis to guide strategic decision-making processes.
- Developed actionable recommendations, improving project outcomes by 15%.
- Delivered comprehensive reports summarizing findings and proposed improvements.

Web Development Intern

Suvidha Foundation, Maharashtra | January 2022 - April 2022

- Designed and built a responsive website to deliver educational resources, increasing user engagement by 20%.
- Focused on accessibility and optimized UI/UX for diverse devices.

Python Development Intern

Relinns Technologies, Punjab | October 2021 - December 2021

- Automated data workflows using Python, increasing efficiency by 30%.
- Enhanced system performance by optimizing database schemas and improving query speeds.
- Collaborated in Agile teams to meet tight deadlines and deliver high-quality results.

Technical Skills:

- Programming Languages: Java, JavaScript, TypeScript, Python, C++, HTML, CSS
- Backend Development: Java EE (Spring Boot, Hibernate, JPA), Node.js, RESTful APIs
- Frontend Development: React.js, Angular, jQuery, Bootstrap, HTML5, CSS3, SASS
- Databases & Cloud: SQL, MySQL, PostgreSQL, MongoDB, AWS (EC2, S3, Lambda, CloudFormation)
- DevOps & CI/CD: Jenkins, GitHub Actions, Docker, Kubernetes.