GIRIDHARA VENKAT VOOTLA

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EDUCATION

Georgia State University — Jan 2024 – Present
Master of Science in Computer Science (Expected Dec 2025) — *GPA: 3.86 / 4.0*
Koneru Lakshmaiah College of Engineering (KL University) — Jun 2019 – Apr 2023
Bachelor of Technology in Computer Science and Engineering — *GPA: 3.62 / 4.0*

TECHNICAL SKILLS

Languages & Web: Java, Python, JavaScript, React, Angular, Shell Script.
Frameworks & Tools: Spring Boot, JUnit, Node.js, JSP, Maven, IntelliJ, Postman.
Databases: PostgreSQL, MySQL. **Cloud & DevOps:** AWS, Docker, Jenkins, CI/CD, Git, Linux.
Data Analysis & Viz: Power BI (Dashboards, DAX, KPIs), Pandas, NumPy, Excel.
Software Practices: Microservices Architecture, Distributed Systems, RESTful APIs, Agile (Scrum), System Design.

EXPERIENCE

Graduate Research Assistant — Jan 2024 – May 2025
Georgia State University — *Atlanta, GA*
- Engineered **automated data pipelines** in **Python (pandas, NumPy)** to process and analyze financial datasets, cutting manual reconciliation time by **60%**.
- Built interactive **Power BI dashboards** for **KPIs** such as budget utilization, revenue streams, and expense allocations to support data-driven decisions.
- Integrated **PostgreSQL** and Excel datasets with **Power BI** for **near real-time** reporting and variance analysis.
- Automated data cleaning and transformation workflows to standardize reporting across departments.

Software Engineer — Jan 2023 – Dec 2023
Synechron — *Pune, India*
- Developed and deployed scalable **Spring Boot microservices** for a banking platform, improving modularity and enabling **30% faster** feature delivery.
- Designed and integrated **secure RESTful APIs** connecting the **Spring Boot** backend with **Angular.js** frontends, reducing average response latency by **25%** through optimized query handling and caching
- Implemented **CI/CD** with **GitHub Actions** to automate builds and deployments for faster, reliable releases.
- Conducted **peer code reviews** to maintain high code quality, enforce best practices, and improve team collaboration. Practiced **Agile methodologies (Scrum, sprint planning, daily stand-ups)**, contributing to iterative development and timely client deliverables

PROJECTS

ZeroWaste-Food | *Spring Boot, React, PostgreSQL, REST APIs, Docker* — May 2024 – Nov 2024
- Streamlined donor–NGO interactions with Spring Boot microservices and REST APIs, improving food redistribution workflows.
- Built a responsive React frontend for posting and tracking donations, enhancing user experience and adoption.
- Utilized PostgreSQL to design relational schemas that ensured reliable storage of donation records, enabling accurate reporting and faster queries, Docker containerization to simplify deployment.

Medtrack System | *Spring Boot, Spring Scheduler, REST APIs, PostgreSQL, Power BI* — Jan 2025 – Jun 2025
- Developed a healthcare appointment management system with APIs for patients, doctor schedules, and hospital resources (rooms, labs, staff).
- Integrated with PostgreSQL and created Power BI dashboards to analyze appointment utilization rates, peak booking hours, no-show patterns, and resource utilization for data-driven hospital operations
- Implemented automated email/SMS reminders via Spring Scheduler to reduce no-shows and improve scheduling efficiency.

CERTIFICATIONS

Amazon: AWS Certified Solutions Architect – Associate [Verify here]