

JASWANTH VENKATA SAI URITI

Education ☎ 470-659-8727 ✉ uritijaswanthsai@gmail.com 💻 uriti-jaswanth 📍 Open to Relocate

Georgia State University | *Master's in Computer Science* | Atlanta, GA | GPA: 4.0/4.0 Aug 2023 – May 2025

- **Coursework:** Parallel Algorithms, Gen AI, Database Systems, Big Data Programming, Data Security, NLP.

Karunya Institute of Technology and Sciences | *B. tech* | Coimbatore | GPA: 3.5/4.0 Aug 2019 – May 2023

- **Coursework:** Data Structures, Machine Learning, Deep learning, OOPS, JAVA, DAA,C# &.NET, Cryptography

Work Experience

Georgia Department of Public Health - GSU

Sep 2024 – Present

Graduate Assistant Software Engineer

Atlanta, Georgia

- Transformed healthcare data assessment system using **React.js,NPMJavaScript** frontend with **Java Spring Boot** microservices and **Apache Kafka** event-driven architecture, reducing processing time by 80% (5 days to 24 hours) while processing 1,000+ daily health records for 10K+ Georgia residents with 60% fewer integration errors.
- Engineered HIPAA-compliant data architecture with AWS RDS Aurora **PostgreSQL**, **RESTful APIs** (Postman, Swagger), and resilient **AWS** infrastructure (**EC2, S3**) maintaining 99.9% uptime and optimized SQL schemas and implemented **CloudWatch** monitoring, achieving 30% better database performance and 45% faster incident resolution.
- Accelerated development cycles by 65% through Git, Maven, and Agile JIRA sprints while implementing test-driven development (JUnit, Jest), achieving 85% code coverage and reducing critical production bugs by 70%.

Full Stack Developer

Aug 2023 – Aug 2024

OGMS labs, Georgia State University

Atlanta, Georgia

- Led complete overhaul of university's computer science portal from **PHP** to modern tech stack **React.js, Typescript, Java, PostgreSQL, GraphQL**, transforming it into a responsive SPA serving 50,000+ monthly page views and after using sophisticated PostgreSQL database schemas and optimized queries that enhanced data retrieval efficiency by 45%.
- Architected error boundary components to gracefully handle and report **React** rendering failures. These improvements resulted in 30% faster admission processing, 40% reduced page load time, and 60% faster **debugging** capabilities.
- Implemented comprehensive **DevOps** practices and Synchronized deployment pipelines for **React** components, reducing build times by 40% while managing strict accessibility and enhancing performance.Used **Selenium** for web interactions.

Silicon Bridge Technologies

Aug 2022 – May 2023

Software Engineer Intern

Bengaluru, India

- Devised client user interfaces using **JSP** and created Controller Servlets for handling HTTP requests from **JSP** pages.
- Pioneered full-stack development with Java 8 microservices and dynamic **JavaScript** frontends, structuring a scalable system slashed deployment complexity by 40% while optimizing application performance and evaluated by **JUNIT** and **Unit Testing**, optimized **MySQL** database architecture that improved query performance by 45% through optimized indexing strategies and custom stored procedures.
- Extensively used **GIT** for version controlling and regularly pushed the Code to GitHub. Used **JIRA** as a bug tracking system to track and maintain history of bugs. Worked with **Jenkins** to implement **CI/CD** process.

Projects

Online Banking Application | Java, Spring Boot, Spring Security, Next.js, React, Kafka, Docker, Maria DB

- Built containerized banking platform with **Microservices** architecture, achieving 30% code efficiency using **Spring Boot, Next.js** and **JWT, RBAC** security. Engineered **SWIFT** payments with Kafka streaming, enabling 40% faster transactions and scalability. Extensively used **Elastic Search** for analyzing log data by using **JSON** data.
- Engineered a fault-tolerant messaging system incorporating containerized **Kafka** and **Maria DB**, featuring automated health checks, transaction logging, and data replication to maintain 24/7 system availability and reliability.

Conference Management System | Java, Javascript, HTML, CSS,Kafka, PostgreSQL

- Developed an intuitive Conference Management Portal using **JavaScript, HTML5**, and **CSS3**, featuring real-time paper submission tracking using **REST APIs** and automated review systems, accelerated event organization by 60%. Installed dynamic scheduling interfaces and responsive registration workflows to streamline participant engagement.
- Employing **PostgreSQL** has resulted in a 30% reduction in time complexity for executing **CRUD** operations and enhancing the efficiency of storing and displaying details, leading to improved results.

Skills

Programming: Java, Python, C/C++/C# & .NET, HTML, CSS, JavaScript, TypeScript, Bootstrap.

Web Development Frameworks: ReactJs, NodeJs, Angular, ExpressJs, Spring, Spring Boot, Spring MVC, Django.

Database Technologies: MySQL, SQLite, MongoDB, PostgreSQL, Relational Databases.

Developer Tools: VS Code, IntelliJ, Android Studio, JSON, Microsoft Office, Postman, Containers, Microservices, UI/UX Design, Linux, OpenCV, Scikit-learn, Shell Scripting, bash, Time series analytics, Hadoop, Elastic Search, Packet tracer.

Cloud & AI: AWS, GCP, Docker, Kubernetes, Jenkins, Scikit-learn, TensorFlow, ML, DL,Power Shell.

Testing & Deployment: Unit Testing, CI/CD, Jenkins, JBoss, GitHub, Git, Bitbucket, Selenium, TestNG.

Certifications

AWS Certified Developer Associate, AWS Certified Solutions Architect, Microsoft Certified Azure Developer Associate, Architecting with Google Computing Engine