

EDUCATION

- Georgia State University** Atlanta, GA
Master of Science in Computer Science; GPA: 3.90 Jan. 2023 – Dec. 2024
- Anurag University** Hyderabad, India
Bachelor of Technology in Information Technology; GPA: 3.66 (9.17/10.0) Aug. 2015 – Jul. 2019

EXPERIENCE

- Capital One** Richmond, VA
Software Engineer Jan. 2025 – Present
 - Performance Testing:** Migrated container-level performance tests from JMeter to k6 and integrated with Grafana. Enabled real-time monitoring and alerting to catch regressions early.
 - Troubleshooting:** Investigated and debugged performance bottlenecks across 40+ containers. Raised issues to respective teams and validated fixes with load tests.
 - Containerization:** Mapped functional containers within Empath and drove issue resolution across teams. Documented ownership and ensured coverage parity.
 - Issue Resolution:** Participated in architecture reviews and sprint planning. Communicated outdated and misconfigured containers to developers for cleanup.
- Storee Construction** Springfield, MO
Software Engineer Intern Oct. 2024 – Dec. 2024
 - Azure DevOps:** Engineered robust test automation pipelines using Playwright within Azure DevOps, cutting QA cycle time by 20% through parallelized execution.
 - AI Testing:** Championed the integration of AI-based testing tools, collaborating with TestRigor to enable codeless test case design for non-technical users.
 - Functional Testing:** Scripted comprehensive end-to-end tests for critical business workflows, enhancing regression stability and expanding coverage across edge cases.
- Evidence-Based Cybersecurity Research Group** Atlanta, GA
Software Engineer Jan. 2023 – Mar. 2024
 - Python:** Automated large-scale legal data collection and transformation processes using Pandas and custom ETL scripts, achieving a 70% reduction in processing time and enabling near real-time analytics.
 - Data Visualization:** Created interactive and publication-ready visualizations to identify trends and anomalies in legal research data, improving decision-making efficiency by 30%.
 - Microservices:** Engineered distributed microservices to modularize data access layers, resulting in a 25% boost in performance and seamless parallel development across Agile teams.
- EPAM Systems** Hyderabad, TS
Software Engineer Jan. 2020 – Dec. 2022
 - Spring Boot, JWT, REST APIs:** Developed secure and scalable RESTful APIs using Spring Boot and JWT authentication to support enterprise-level client systems like CARMA.
 - AWS, Terraform:** Streamlined infrastructure setup for microservices using Terraform, managing AWS services such as EC2, S3, Lambda, RDS, and CloudWatch, improving system reliability and reducing manual errors.
 - Apache Kafka:** Designed Kafka-based pipelines to handle real-time data streams, increasing system responsiveness and enabling low-latency event-driven architecture.
 - Angular:** Developed responsive web interfaces using Angular, improving accessibility and user satisfaction by 20% through better UX/UI standards.
 - Data Structures, Algorithms:** Leveraged advanced data structures (e.g., hash maps, trees, graphs) to optimize API logic and backend processing, improving system throughput and reducing time complexity in key workflows.
- Tata Consultancy Services** Hyderabad, TS
Systems Engineer Jan. 2019 – Dec. 2019
 - Spring Boot, MVC:** Assembled scalable backend components using Spring Boot with MVC, laying the foundation for maintainable enterprise solutions.

- **PostgreSQL**: Modeled and indexed PostgreSQL schemas to enhance transactional efficiency and ensure data consistency under heavy workloads.
- **Agile, GitHub**: Facilitated Agile delivery via daily stand-ups and sprint reviews, while maintaining clean version control through GitHub collaboration workflows.

• **Spyry Technologies**

Bangalore, KA

Security Intern

Mar. 2018 – May. 2018

- **Penetration Testing, Kali Linux**: Conducted penetration testing using tools like Kali Linux and Burp Suite, identifying critical security vulnerabilities and presenting actionable remediation strategies.
- **Secure Design Patterns**: Implemented secure coding practices during assessments, strengthening the system's overall security and ensuring compliance with industry standards.

PROJECTS

- **Disaster Data Management System**: Built a full-stack application with a React frontend, Spring Boot backend, and Playwright-based Python automation. Used PostgreSQL and PostGIS to manage and visualize disaster data with Leaflet maps. Integrated async processing for performance and scalability.
- **eCommerce Website**: Created a shopping platform with Spring Boot backend and Angular frontend. Integrated cart features and checkout flow. Automated end-to-end testing with Selenium and Playwright, reaching 95% test coverage.
- **Travel Amigo**: Developed a mobile app in React Native for planning trips. Added user authentication, trip management, and weather forecasting. Achieved a 4.5-star rating and improved retention by 20%.

SKILLS

- **Languages**: Java, Python, SQL, JavaScript, TypeScript
- **Frameworks**: Spring Boot, Hibernate, Django, Angular, React, Node.js
- **Testing Tools**: Selenium, Playwright, JUnit, Postman, TestRigor, JMeter, Mockito, Grafana k6
- **DevOps**: Git, GitHub, Jenkins, Terraform, Docker, Kubernetes
- **Cloud**: AWS (EC2, S3, Lambda, CloudWatch, RDS, Glue), Azure, GCP
- **Other**: Kafka, Leaflet, API Gateway, Data Structures, Dagger, Visual Studio Code, IntelliJ