

Akhila Srinidhi Janapati

✉ jakhilasrinidhi@gmail.com ☎ 3527099532 🔗 [linkedin.com/in/akhilajanapati/](https://www.linkedin.com/in/akhilajanapati/)

WORK EXPERIENCE

Research Assistant | University of Florida (Full Stack Java Web Developer)

Jul 2023 - May 2023

- Led a \$3 million NIH-funded complex healthcare website project, implementing in-depth requirement analysis and applying advanced Object-Oriented Programming (OOPS) principles with Spring MVC.
- Developed an adaptive user interface for multiple studies, supporting content customization and user randomization, with rigorous debugging and regression testing and extensive database queries for optimal performance.
- Resolved session continuity challenges during key participation phases with dynamic UI refinements, reducing drop-off rates by 30%.
- Collaborated as a team member to redesign registration process and draft privacy policies, ensuring compliance with Twilio requirements, resulting in a 10% increase in user registrations.
- Designed an alert system via SMS/Email, enhancing user interaction by 77% and optimizing tracking efficiency by 90%.

Graduate Student Assistant | University of Florida (Unpaid)

Jan 2023 - May 2023

- Built a Java web application integrating Kafka and AWS S3 for dynamic data access and real-time management.
- Implemented a real-time traffic monitoring dashboard in Java and React with Auth0 security to analyze data from 100+ urban intersections, reducing congestion reporting times by 25%.
- Created a CI/CD pipeline with Jenkins, Kubernetes and Docker, increasing deployment uptime by 30% and improving system performance.

Assistant System Engineer | Tata Consultancy Services (Java Developer)

Feb 2021 - Jul 2022

- Developed Java services and administrative applications using Spring Boot and REST APIs, optimizing business logic and data retrieval. Provided production support and seamless deployment in agile environment through log analysis.
- Developed key features such as product retrieval, basket functionality, pickup points, and a competitive pricing model.
- Collaborated within a team to customize and implement backend logic for an in-house credit system, boosting payment success rates by 15%.
- Integrated WCS services into mobile apps, achieving a 20% improvement in app performance by following best practices in the software development life cycle (SDLC).
- Managed the migration to Git, ensuring efficient version control and timely sprint deliverables for 70+ applications.

Software Developer | Techforce.ai (Front-end developer)

Dec 2019 - Feb 2020

- Supported team members by leveraging meeting insights to analyze data and craft documentation, in developing a secure chatbot using React.js (Front end), NodeJS, improving customer service by 40% and reducing inquiries by 50%.

TECHNICAL SKILLS

Languages : C, C++, J2EE, HTML5, HTML, CSS, JavaScript, Bootstrap, Angular, JSP, JDBC, SQL, Hibernate

Technology : React.js, Node.js, Angular, NOSQL, Docker

Frameworks : PyCharm, Jira, Tomcat, JSON, Postman, REST APIs, MySQL, Maven, Amazon web service, Apache Kafka

/Tools : PowerPoint, Kubernetes, Linux, Agile Methodology, Spring Boot, Microservices, JPA, SOAP, JUNIT

PUBLICATIONS

WSN based automatic irrigation and security system using Raspberry Pi board [[Link](#)]

- Led the design and implementation of Python and IoT sensors for field monitoring, boosting farmers' profits by 15%, reducing water waste.

Event management application built in React

- Developed a full-stack application with real-time updates through WebSocket and Socket.IO, and secure authentication via Firebase enhancing user experience.

CERTIFICATION

- Oracle Java Programmer Certification - 1Z0-808 Java SE 8 Programmer - Oracle (2022)

EDUCATION

Master of Science in Computer Science, University of Florida | CGPA: 3.70/4.0

Aug 2022 - May 2024

Bachelors of Technology in Electronics and Communication, Vardhaman College | CGPA: 3.81/4.0 *Aug 2016 - Sep 2024*