Akhila Srinidhi Janapati

Florida, USA | (352) 709-9532 | ajanapati@ufl.edu | linkedin.com/in/akhilasrinidhijanapati

SKILLS

Languages:	C | C++ | Java | Python | HTML | CSS | JavaScript | React.js | Bootstrap
Databases and Framework:	JDBC | SQL | Spring Boot | Agile | Microservices | Maven | Mockito
Tools and Technology:	Git | Jenkins | Visual Studio Editor | Pycharm | Jira | IBM Websphere Application Server | Toad ApacheTomcat | Centrasite | AI Chatbot | Postman | REST APIs | Gradle

EXPERIENCE

Front-end Developer — **UF Department of Nursing** — Sep'23 – Present

- Optimized Choices app, saving 30% data entry time for doctors and boosting patient-doctor communication efficiency by 20% with JavaScript front-end.

Assistant System Engineer — **Tata Consultancy Services** — Feb '21 – Jul '22

- Streamlined REST API development and upgrade for website services, optimizing testing, publishing, and documentation with Swagger while implementing API virtualization for simplified mobile application testing.
- Resolved critical issues in production environment, boosting system stability by 90%.
- Boosted productivity of payment services by 20% based on customer feedback.
- Spearheaded seamless migrated applications from an existing repository to Gitlab, promoting DevOps practices and improving developer experience.
- Increased efficiency of internal applications by removing unnecessary data using SQL scripting, resulting in a 30% increase in data storage efficiency.
- Led a 4-member cross-functional team consisting of sales and support experts to execute release management and deployment activities.

Software Intern — **Techforce.ai** — Dec '19 – Feb '20

- Achieved 80% reduction in human efforts for software installation requests by participating in development of an AI chatbot in a collaborative product development team.
- Created over 10 unique styling templates tailored for various themes and animations within banking applications, using CSS and JavaScript.

Industrial Intern — **BHEL** — Jun '18 – Jun '18

- Conducted a comprehensive analysis on pivotal role of PLC in CNC machines, gaining approval from BHEL (Bharat Heavy Electricals Limited).

EDUCATION

Master of Science in Computer Science — Aug '22 – May '24
University of Florida — **3.66/4.0**

Bachelor of Technology in Electronics and Communication — Aug '16 – Sep'20
Vardhaman College of Engineering — **3.81/4.0**

PROJECTS & PUBLICATIONS

WSN based automatic irrigation and security system using Raspberry Pi board [Link]:

- Implemented Python and IoT sensors to monitor field humidity and temperature using logical expressions, resulting in a 15% increase in farmers' profits and a reduction in water wastage.

Image Generation using Machine Learning:

- This project employs GANs and VAEs to generate new images of handwritten digits using MNIST dataset, utilizing vector representations for images.
- GANs involve generator-discriminator competition, while VAEs employ encoder-decoder to map and generate digit images, aiming to explore diverse and high-quality image generation within the vector space.

Bitcoin Mining System:

- Designed a Java-based Bitcoin system using linked blocks, storing previous hash for data integrity.
- Created a tamper-resistant block structure featuring timestamp, transactions, nonce, and hash components, reinforced by an invulnerable design to safeguard against unauthorized alterations, ensuring enhanced security.

CERTIFICATIONS

- Secured 81% in Oracle Java Programmer Certification - 1Z0-808 Java SE 8 Programmer I.
- Certified in Data Analysis with Python from IBM & Acquired a Programming in C certificate from IIT Kharagpur through NPTEL.
- Received 1 Spot Award for contribution of projects in TCS.
- Awarded assistantship with a tuition waiver at UF as Graduate Research Assistant for Fall 2023.