

# SHASHANK KUMAR HAYYAL

+1 352-888-3880 | [shashankk.hayyal@ufl.edu](mailto:shashankk.hayyal@ufl.edu) | [linkedin.com/in/shashank136](https://www.linkedin.com/in/shashank136) | [github.com/shashank136](https://github.com/shashank136)

## EDUCATION

### University of Florida

*Masters of Science in Computer Science*

Gainesville, FL

Aug 2021 – Present

### Jawaharlal Nehru Technological University

*Bachelor of Technology in Computer Science & Engineering*

Hyderabad, IND

Aug 2014 – May 2018

courses: Software Engineering, Database, Algorithms, Data Structures, Operating Systems, Programming languages using Java

## EXPERIENCE

### Software Development Engineer

*OpenText Technologies*

March 2018 – July 2021

Hyderabad, IND

- Worked as a part of document viewer team, build and design web application to render documents.
- Reduced the document rendering time by 75% for zoom operation with no loss in quality.
- Reduced the memory consumption of WebViewer product by fixing the critical memory leak and managing the threads used for rendering.
- Improved the UI of the WebViewer application and reduced the number of clicks by 57% for most used functions like annotations.
- Made the product more modular by abstracting out functionalities like notes and print module to separate application.
- Improved the performance of Application by reducing the critical/major bug count by 50%.
- Improved the performance for asynchronous operations by reducing the wait-time for customer by using messaging queues
- Automated the upgrade of Imaging WebViewer product on Linux platform.
- Implemented auto-save functionality for annotations to improve the user interaction with the system.

### Software Engineer - Intern

*OpenText Technologies*

Dec. 2017 – March. 2018

Hyderabad, IND

- Accelerated product testing by automating the tests using VB Scripts.
- Improved the product quality by identifying the critical bugs.

### Software Engineering - Intern

*Edugorilla.com*

March 2017 – July 2017

Hyderabad, IND

- Developed API to fetch the CBSE school details and verify the contact number of schools.
- Completely collected all the details of CBSE school across the globe in 2 days by automating the process using python.

## PROJECTS

### Signal Retrieval | Python, Machine learning | github link

- Used ICA to decompose a multivariate signal into independent non-Gaussian signals.
- Used numpy, pandas, matplotlib, scikit-learn

### Book Exchange Club | Java, Spring Framework 5, Docker, Postgre SQL | github link

- Developed a website similar to amazon where people can buy, sell and exchange books.
- Created a RESTful web service using springboot v2.3.3

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

**Frameworks:** Spring Framework 5, React

**Developer Tools:** Git, Docker, TravisCI, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib