Shashank Kumar Hayyal

+1 352-888-3880 | shashankk.hayyal@ufl.edu | linkedin.com/in/shashank136 | github.com/shashank136

EDUCATION

University of Florida   Gainesville, FL
Masters of Science in Computer Science   *Aug 2021 – Present*

Jawaharlal Nehru Technological University   Hyderabad, IND
Bachelor of Technology in Computer Science & Engineering   *Aug 2014 – May 2018*
courses: Software Engineering, Database, Algorithms, Data Structures, Operating Systems, Programming languages using Java

EXPERIENCE

Software Development Engineer   March 2018 – July 2021
OpenText Technologies   *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 message 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   Dec. 2017 – March. 2018
OpenText Technologies   *Hyderabad, IND*
- Accelerated product testing by automating the tests using VB Scripts.
- Improved the product quality by identifying the critical bugs.

Software Engineering - Intern   March 2017 – July 2017
Edugorilla.com   *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
Software development process: Agile, Scrum