LAKSHMI PALAPARTHI

Software Engineer

lvpalaparthi@gmail.com
2676250135
Philadelphia, PA
lakshmipalaparthi.com
LinkedIn
GitHub

EDUCATION

Dual B.S. + M.S.

Computer Engineering

University of Delaware

September 2015 - May 2020

Newark, DE

GPA: 3.83

5 years on Dean's List

Eta Kappa Nu Engineering Honor Society

SKILLS

Java

Python

JavaScript (NodeJS ReactJS, jQuery)

CI/CD tools (Docker, Jenkins, Kubernetes, Azure, Airflow)

SQL (MySQL, PostgreSQL)

HTML5/CSS

Linux, GitLab

ACTIVITIES

University of Delaware Zumba Club Certified B1 Instructor

WORK EXPERIENCE

Software Engineering Intern

IQVIA

June 2019 - February 2020 Plymouth Meeting, PA

- Delivered an NLP solution in Scala to extract ICD9/ICD10 codes, patient age, patient gender, and a study range from free text.
- Implemented a python based chatbot for customers to interact with the existing system easily and effectively by extracting relevant data using training models and data hierarchies.
- Deployed application on Jenkins using Docker to increase accessibility.
- Improved project efficiency and productivity by 100% using an agile methodology (Kanban).

Summer Intern

Genista Biosciences

June 2016 - August 2016 San Jose, CA

- Automated liquid handler pipetting technique through design and development of batch processes.
- Integrated custom inventory management with LIMS and tracked customer samples towards the life of the sample.
- Improved accuracy and completeness by auditing on-line client applications/forms.
- Successfully maintained client sample information in a methodical fashion through prescribed databases, activity logs/reports, and validation of documentation to increase productivity.

Firmware Research Assistant

Vertically Integrated Project Research- Grid Integrated Vehicles

February 2018 - May 2018 Newark, DE

- Collaboratively developed a ping pong game in VHDL with a tutorial for students to reference and increase accessibility of course material.
- Improved VHDL/debugging skills by interacting with the existing system.
- Developed an understanding of HDMI/DVI protocols to implement effective data transmission using the pong game.

PROJECTS

Blue Path: Augmented Reality Navigation App

- Developed an augmented reality Android Java app to navigate customers to the closest security blue light on UD's campus with respect to the user's location through geolocation coordinates.
- Integrated Google's ARCore to detect surface/motion and place a virtual tag that provides insight for other customers.
- Accurately guide customers to destination according to the phone's orientation, Google maps navigation API, and other app functionalities (compass, gyroscope, accelerometer, and camera).