

Sujith S

Full Stack Software Engineer | Ai and ML Consultant

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EXPERIENCE

ZACKRIYA SOLUTIONS | SOFTWARE ARCHITECT

Apr 2020 – Current | Bengaluru, India

- Developed GaTi, an automated end-to-end GUI testing tool. We created pytest plugins to run automated GUI tests
- Worked as a Consultant for multiple companies and individuals to help them develop their software solutions and build products through Upwork as a part of Zackriya Solutions

THIRDPOL THERAPEUTICS | SOFTWARE DEVELOPER | CONSULTANT

Apr 2020 – Jan 2021 | Waltham, MA 02452, U.S.

- Developed a bespoke computer vision-based GUI testing tool for the QA and testing team in the company to test the 3P-001 medical device GUI. The device is a clinic-ready inhaled NO therapy delivery system
- Went through Medical Device Software development basic training modules for the development of the NO therapy delivery system QA.

AIBLOCKS INDIA PVT. LTD. | DIRECTOR, CEO

Jan 2018 – current | Kerala, India

- As the Co- Founder and director of the company, built software and hardware products for businesses
- Built products to help developers and organizations build Ai Based prototypes quickly using simple inhouse tools developed by the company.
- Built Artificial Intelligence based parking management system.

PROJECTS

GATI (GUI AUTOMATED TEST INTERFACE) | PYTHON • ELECTRON JS • SQL • NODE JS

2021

- GaTi is an automated general end-to-end GUI testing tool. It generates test reports and logs with texts and images. GaTi also provides customized APIs to develop test scripts. The tool enables Continuous Integration and Development.
- In GaTi I worked with Docker (For deploying the images for testing) and Node. Js-based Electron framework to develop the user interface, Python as the backend language that handles the automation tasks.

BESPOKE AUTOMATED GUI TESTING TOOL | PYTHON • PYTEST

2020

- developed a bespoke computer vision-based GUI testing tool for the QA and testing team in the company to test the 3P-001 medical device display. I used advanced computer vision and deep learning technologies to automate the GUI testing process.

AITEACHER | LINUX • JAVA • PYTHON • JAVASCRIPT • CC/C++

2018

- Artificial intelligence training hardware for students and professionals (Product) Created a tool to help developers and organizations build Ai Based prototypes quickly using simple in-house tools developed by the company.
- The block-based programming language designed for computer vision was the world's first block-based programming language that uses complex backends and models to build computer vision-based product prototypes within minutes.

SKILLS

PROGRAMMING

Proficient:

Python • JavaScript • SQL • CSS • HTML •

Experienced:

Python • L^AT_EX • C++

Familiar:

Java • Shell • Assembly
Dart • C

LIBRARIES/Frameworks

OpenCV • Django • Flask •
Tensorflow • Pytorch • jQuery
• Node.js •

TOOLS/PLATFORMS

Git • Firebase • Webpack •
Heroku • Wordpress • Docker •
AWS • Twilio • Postgresql

EDUCATION

UNIVERSITY OF KERALA

BACHELOR'S IN ELECTRONICS
ENGINEERING

Aug 2014 - Aug 2018 | Kerala, India
SCT College of Engineering

COURSEWORK

APPLICATIONS OF TINYML

Algorithms • Embedded
Systems • Advanced Computer
Architecture • Operating
Systems • Artificial Intelligence

NEURAL NETWORKS AND DEEP LEARNING

Algorithms • Deep Learning •
Advanced Machine Learning •
Operating Systems •

REFERENCES

Sandeep Zachariah, CEO,
Zackriya Solutions

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