NITHESH K G

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PORTFOLIO, PROFILES

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PROFESSIONAL SUMMARY

Seeking to pursue a highly rewarding career, challenging opportunities and healthy work environment where I can grow, share skills and knowledge. Thirst for knowledge on new technology stack and implementation.

WORK HISTORY

CORESTACK

Python Programmer | Chennai, India | Jan 2022 - Present

My role as **Python Developer,** works in Flask Framework on agile methodology. Actively contribute to R&D activity. Explore on the opensource structures and implementing to the architecture.

- Product Development and System Integration using Python and other open source technologies
- Participate in R&D activities led by architects
- Contribute in product engineering and system integration
- Perform system integration for various private cloud platforms
- Communicate effectively with various stake-holders involved in the delivery process.
- Having strong background in disciplined Software Development Life Cycle (SDLC) process, and good communication skills with ability to meet project deadlines
- Experience in developing web applications using Flask/Django.
- Exposing the rest api's using the Flask structure .
- Experience in developing applications for the cloud strucutre – AWS, GCP, Azure, OCP
- Provide code that satisfies following criteria - quality of performance, usability, reliability, maintainability and extensibility
- Improvising the cloud architecture developed at a regular sprints.

ACCENTURE INDIA PRIVATE LIMITED

Software Engineer | Chennai, India | May 2019 – Jan 2022

My role as **Software Engineering Analyst,** works in agile environment having expertise in agile framework. Working as SDET engineer on building a automation selenium framework using Python.

- Interact with architects in designing web automation frameworks
- Assist Scrum Master with development of detailed estimates and work plans and ensure that projects are delivered on time and that meet clients' and users' business needs
- Identify and strategize automation framework for performance improvement
- Having strong background in disciplined Software Development Life Cycle (SDLC) process, and good communication skills with ability to meet project deadlines
- Experience in developing web applications using Django.
- Provide code that satisfies following criteria - quality of performance, usability, reliability, maintainability and extensibility
- Worked closely with other business analysts, development teams and infrastructure specialists to deliver high availability solutions for mission-critical applications
- Identified and tracked defects with selenium and supported developers in resolving problems by completing additional tests

EDUCATION

BACHELOR OF ENGINEERING Computer Science Engineering

Panimalar Engineering College

Chennai, India, May 2019

Graduated with 7.43 CGPA

SKILLS

- **Tools** : Eclipse, VS Code, Postman, Soap UI, Android Studio
- **Web:** HTML5, CSS3, JavaScript ES6, Bootstrap
- **Programming Languages :** Python, Java
- **Databases :** MongoDB, Postgresql
- **Backend :** Django
- **Others :** Anaconda, Jupyter Notebook, Github, JIRA, Docker, Selenium, rest API

CERTIFICATIONS

- Google IT Automation with Python - Google, Coursera (Online) (Apr 2021 - Jun 2021)
- Programming, Data Structures and Algorithms Using Python - NPTEL (Online)(Jul 2017 - Sep 2017)
- Machine Learning (Cert id: CKMA94S34R9P) - Stanford University, Coursera (Online) (Dec 2017 - Jan 2018)
- RASA NLU (Cert id: WV48C63G2HY5) - Rhyme, Coursera(Online)(May 2020)
- Computer Vision (Cert id: SKNT4FGGG9RU) - Coursera Project Network(Online)

PROJECTS

Smart Home Automation (Copyrights Registered)

Feb 2018 –Present

https://github.com/Musketeerz/Smart_Home_RajHack5.0

The efficient home automation project that can be used to facilitate day to day life of people and will be able to smartly conserve electricity which can also aid to visually impaired.

Live Pothole Detection and marking the pothole in map (Patent Pending)

Jan 2019 – Present

The detection of the pothole using the protobuf libraries and trained using the Faster_RCNN model. The Potholes are detected using the car dashboard camera and they are instantly marked on to the map using the cloud database.

Rasa Chatbot application using Django

Created a rasa chatbot application for an e-commerce website and integrated the e-commerce application chat bot created in rasa NLU with rest API.

ACCOMPLISHMENTS

- Received client appreciation thrice for handling the complete functionality and improvising the architecture of the application.

- Provided multiple R&D inputs for the new structure and development of the application.

- Place under top 20 in GTCI Accenture global innovation
- Strategized and improved the existing automation framework which hugely reduced the execution time and increased the performance of the framework
- Team Lead and bagged 1st prize in complex problem statement at All India level **Smart India Hackathon 2019** for a prize money of 1,00,000 conducted by Government of India
- Team Lead and bagged 1st runner up at All India level **Smart India Hackathon 2018** for prize money of 75,000 conducted by Government of India
- Shortlisted among top 20 teams all over Tamil Nadu at **NOKIA** for paper presentation on UAV FLOOD RESCUE MODULE
- Best innovator team award from Rajasthan's Digifest Hackathon conducted by Govt of Rajasthan