Shubankar **B**

D-84, Kaiga Township Mallapur, Karnataka-581400, India

☐ (+91) 9483999612 | ✉ rohit.shubankar@gmail.com | ☗ https://bshubankar.netlify.app | ☐ RohitShubankar | ☐ Shubankar B | ☐ Rohit Shubankar

Professional Experience

Extreme Networks   *Bangalore, India*

ASSOCIATE SW SYSTEMS ENGINEER   *Jan 2021 - Present*

- **Extreme Network Simulation (ENS)**
    - Designed and Developed ENS which is an efficient, reliable and cost effective simulation framework that is deployable in the lab for testing as it replicates the behavior of a real device.
    - Developed as a platform-agnostic application that supports a combination of both simulated and real network devices. Customers can deploy 1000+ simulated devices in a VM and can manage it through ENS.
    - Designed and Developed CLI for ENS to provide users with command line options to perform operations such as add, modify,show and simulate devices.
    - Designed and Developed APIS for protocols and features in Underlay, Overlay and Tunnel Network.
    - Implemented Robot scripts for feature testing and unit testing for API's designed in ENS.
    - **Technologies Used** - Golang, Docker, Kubernetes.
- **Extreme Unifed Automation Solution (EUAS)**
    - Worked on EUAS which is a web-based framework for online job scheduling, test management system that facilitates software quality assurance, test coverage dashboard, reporting and data analytics.
    - The framework provides support for testcases, test suites, test plans, test projects and user management as well as various reports and statistics.
    - Implemented new features and improved existing features for the EUAS web framework.
    - Improved UI features for the Reporting and Data Analysis.
    - Performed unit testing and functional testing using Pytest.
    - **Technologies Used** - Python, Django.

Atos Syntel   *Chennai, India*

ASSOCIATE CONSULTANT   *Dec 2019 - Dec 2020*

- Experience in Python with Knowledge of Flask and Django Web Frameworks.
- Working knowledge in MYSQL.
- Experience building REST API.
- Experience working in Agile SDLC.

Skylark Drones   *Bangalore, India*

SOFTWARE DEVELOPER INTERN   *May 2018 - Jun 2018*

- Designed Video Verification Module which verifies if the video data captured by the drone meets the client requirements in terms of coverage and Area of Interest (AOI).
- Implemented the core logic and wrote scripts that involved weeding out faulty input data.
- Increased team efficiency by adding clear and extensive documentation and comments.
- **Programming Language-** Python.

Education

Vellore Institute of Technology   *Chennai, India*

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING   *Jul 2015 - Jul 2019*

Cumulative GPA - 7.76/10.0

Publications

IoT Device For Disabled People

B.SHUBANKAR, MALLIKA CHOWDHARY, PRIYAADHARSHINI M   *May 2019*

- Designed,Developed and Implemented an IoT based device to provide the physically challenged assistance in communication with the surrounding by recognizing hand signs/gestures and characters from hoarding boards/sign boards.
- The device also has an live location tracker which provides the geographical coordinates of the wearer.
- EAST text detector is implemented to analyze and recognize characters from the captured image of the sign boards.
- The paper is published in **Elsevier Procedia Computer Science Journal**.
- The paper can be accessed here : **https://doi.org/10.1016/j.procs.2020.01.092**

Projects

Amazon Scrapper

HTTPS://GITHUB.COM/ROHITSHUBANKAR/AMAZON-SCRAPER

- Python script to extract information of the product and generate reports based on the information.
- **Programming Language-** Python
- **Framework-** Selenium

Text Summarizer

HTTPS://GITHUB.COM/ROHITSHUBANKAR/TEXT-SUMMARIZER

- Python script to summarize the user entered text data.
- **Frontend-** HTML, CSS
- **Backend-** Flask, Python

Youtube Video Downloader

HTTPS://GITHUB.COM/ROHITSHUBANKAR/GUI-VIDEO-DOWNLOADER

- A GUI application developed using Tkinter to download YouTube videos.
- **Programming Language-** Python
- **Medium-** https://medium.com/analytics-vidhya/simple-python-based-gui-application-to-download-youtube-videos-d11acd848955

Caesar GUI

HTTPS://GITHUB.COM/ROHITSHUBANKAR/CAESAR-CIPHER-GUI-APP

- A GUI application developed using Tkinter which encrypts/decrypts user entered text.
- The application demonstrates the working of the Caesar Cipher Algorithm.
- **Programming Language-** Python
- **Medium-**https://medium.com/analytics-vidhya/python-based-gui-application-to-encrypt-and-decrypt-text-using-caesar-cipher-23ec88e75558

Skills

Programming: Python, Golang, SQL, HTML, CSS
Framework: Flask,Django
Database: PostgreSQL,MySQL
Devops: GIT,Docker,Linux
Tools: AWS, GCP

Other Involvements

2nd International Conference on Recent Trends in Advanced Computing Disrup-Tiv Innovation (ICRTAC-DTI 2019)

Chennai, India

PARTICIPANT

Nov 2019

- Participated and Demonstrated the project work "IoT Device for Disabled People".

Game Development Boot-Camp

Chennai, India

HEAD ORGANISER & INSTRUCTOR

Mar 2017

- Organized workshops & hackathons to train over 100 candidates to build games from scratch using Unity3D game engine.
- Co-organized with International Symposium of Big Data and Cloud Computing Solutions 2017.
- Managed & coordinated a team of six talented fellow game developers.

Courses and Certifications

Core Courses Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Network and Systems
Elective Courses High Performance Computing, CyberSecurity, Web Mining, Large scale data processing, Social and information Networks, Virtualization, Content Based Image and Video Retrieval, Game Programming, Natural Language Processing.
Self-Taught Courses Inter Network Security by NPTEL, Ethical Hacking training course by Zaid Sabih, Usable Security by Coursera.