Shanmukha **Saketha Ramanujam** S

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EDUCATION

GVPCE(A), Visakhapatnam
B. Tech. in ECE
Graduation: 2019
Cumulative GPA: 7.92 / 10

SRI CHAITANYA, Guntur
Intermediate
Percentage: 96.2

SRI VENKATESWARA BALA KUTEER, Guntur
Secondary School
GPA: 9.5

COURSEWORK

Real-Time Operating Systems
Computer Networks
Data Communication Networks
Digital Integrated Circuits
Data Structures and Algorithms
Digital Signal Processing
Numerical Methods

SKILLS

Advanced:
Python • MATLAB • Shell
Git
Intermediate:
Linux System Administration
Networking • Docker • Flask
Apache Airflow • JS
Machine Learning with Scikit Learn
Deep Learning with Keras and TF
Cloud Computing with GCP, AWS
Go • Jekyll • Arduino • Raspberry Pi
Familiar:
C# • Unity Engine• Monitoring
Apache Kafka •   Apache Bench
Selenium

MISC

Mentor, AI-Club, GVPCE, 2018 - 19
Club Coordinator, College Cultural Club, 2017 - 18
Volunteer, NSS Unit -II GVP, 2017 - 19

EXPERIENCE

PROJECT ASSOCIATE | Scientific and Industrial Research Centre – GVPCE
December 2019 – Present | Visakhapatnam, IN
- Responsible for development and deployment of Machine Learning for classification and analysis of opto-electronic sensor data.
- Devising and conducting experiments for Vibrational analysis of structures using opto-electronic instruments
- Development of software algorithms for in-laboratory systems.

SOFTWARE ENGINEERING INTERN| Rorodata Technologies Pvt.Ltd
June 2019 – November 2019 | Bangalore, IN
- Developed and tested performance of machine workflows in Apache Airflow.
- Responsible for handling CI, deployment and maintenance of services on Google Cloud Platform using services such as Gcloud Build and GitHub actions.
- Developed DataBot, a client library for using internal API's
- Performance and Load tested applications using Gcloud App Engine and Gcloud App Run
- Developed and Maintained a tool for managing datasets used for market forecast analysis.

SELECTED PROJECTS

N.a.a.S. Docker   Docker | Jupyter Notebook | Python
Simple and scalable Jupyter - Notebook as a service client for Linux based systems.

Snapi Launch Notif Server   Mongo| Discord| Python
Launch notification generator for Discord using Space flight news API

Predicting Air Quality   ML| Random Forests | Python
Developed and tuned a Multivariate Random Forests model for event classification.

Wireless Data Monitor   Socket Programming| Networking | Python
A socket communication system for sensor data transfer from Raspi to a remote server.

Gaze Point Heat Map   CV | Image Processing | Python
Viewpoint tracking and heatmap generation application using OpenCV

WC Chrome Extension   Web | JS
Simple word counter extension for chrome browser

Build Run Multiple   Web | GCP | Microservices
POC for serving multiple applications from same repo using Google Cloud Build Triggers

TALKS

The Subtle Art of Backward Differencing
DevConf 2019 by RedHat, Christ University, Bangalore

AWARDS AND RECOGNITIONS

GitKraken Ambassador | March 2019
Second Runner up, Game Design and Prototyping Competition by Unity India | November 2018
GitHub Campus Expert | September 2018
National Finalist (Top 45), L&T TS – Techgium Competition | April 2018