**KOVUR SREEKAR GARGEYA**

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• With 3+yrs of work experience in several fields in IT industry as analyst, dealing with Artificial intelligence and machine learning developer.

• Extensive knowledge in using Python, pytorch which is one of the easy language in coding for Machine Learning.

• Developing the real time projects using R language, Using of data sets, functions, prototypes.

• Extensive knowledge in usage of Machine Learning software Tensorflow. Using tensors and development of projects has done before.

• Experience with Linux/UNIX environments and scripting for Build & Release automation, building scripts, deployment and automated solutions using scripting languages such as Bash, shell.    
• Worked on PowerShell/Bash scripts to gather resources metrics from AWS EC2 Instances, and configured Alerts and Dashboards using AWS CloudWatch Monitoring.

**Work Experience:**

**Defence Research and Development Organisation** March 2014-May 2017

• Worked at Electro Optical Instruments Research Academy, i.e, RESEARCH CENTRE IMARAT(RCI), in Defence Research and Development Organization(DRDO) laboratories at Hyderabad.

• Good experience with infrastructure automation, Orchestration with cloud technologies including AWS

• Studied and hands on experience with optical cables by testing and coupling of various optical cables and are used in missiles and defence purposes.

• With the help of Artificial Intelligence, we used to test the cables, and do fit in missiles which can be used in armed forces.

• Expertise in automation tools like Git, Subversion, Maven, Jenkins, Chef, Puppet, Ansible, Terraform   
• Deployed infrastructure on AWS utilizing services such as EC2, RDS, VPC and Managed Network and Security, Route 53, Direct Connect, IAM, Cloud Formation, AWS OpsWorks (Automate operations), Elastic Beanstalk, AWS S3, Glacier, (Storage in the cloud) and Cloud Watch Monitoring Management.    
• Experience with Linux/UNIX environments and scripting for Build & Release automation, building scripts, deployment and automated solutions using scripting languages such as Bash, shell.    
• Worked on PowerShell/Bash scripts to gather resources metrics from AWS EC2 Instances.  
• Worked with Kubernetes to provide a platform for automating deployment, scaling, and operations of application containers across clusters of hosts and managed containerized applications using its nodes, Config maps, selectors, and services.

**ETOUCH at Google**  July 2017-December 2017

Worked as Data Analyst in Google for 6 months. My role is to create advertisements for various websites in google.

Domain: Curated Creatives

Tool used: EWOQ

**Technical Skills**

**Programming languages**: C, C++, JavaScript, Python, Pytorch, Tensorflow, R, DevOps

**Tools**: Github, Jenkins, Maven, Nagios, Chef, Docker, Kubernets

**Mark-up languages**: HTML, CSS, XML

**Operating Systems**: Linux, Windows

**Software Applications**: Microsoft Office, Anaconda, R Studio, Cadence, LtSpice, Matlab, Github

**Electronics:** Optical Communications,Microprocessors, Embedded systems, Microwave, Control systems, Satellite Communication, Radar Communication.

**EDUCATION**

• Bachelor of Technology- Electronics and Communication Engineering

GITAM University, Hyderabad, India

**Academic Projects**

1:-**Title**: Software implementation of Advanced Encryption Standard(AES)

Software used: Programming language C

Description: A programming language C language is chosen and implemented AES (Round 0 to Round 10, with 128-bit key. AES program with the sample input and key is executed. A final output is done in c language and encryption is done.

2:-**Title:** For a given QPSK modulation, build a modulator and demodulator and transfer image file through noiseless channel**.**

Software used: MatLab

Description: Phase shift key is a digital modulation process which conveys data by changing the phase of a referencing signal. The modulation occurs by varying the sine and cosine inputs at a precise time. Quadric phase shift key is a form of signal in which two bits are modulated at once. QPSK allows the signal to carry twice as much as information as PSK using same bandwidth. QPSK is used for satellite transmission of video, cellular and other forms of digital communication over RF carrier.

3:-**Title**: For a Convolutional code, build an encoder and decoder (Viterby decoding), measure the performance in binary symmetric channel.

Software used: MatLab

Description: Convolutional codes are a bit like the block codes, they involve the transmission of parity bits that are computed from message bits. Unlike block codes in systematic form, however, the sender does not send the message bits followed by (or interspersed with) the parity bits; in a Convolutional code, the sender sends only the parity bits.

**ADDITIONAL TECHNICAL TRAINING AND CERTIFICATIONS**

* Java script
* DevOps certification from Lynda
* Neural networks and Deep learning certification from Lynda
* Voice Recognition certificate from Lynda
* Machine Learning with Python and R
* C and C++ certifications from Lynda
* Software development security from Lynda.