


GANESH U. SIDDAMAL

 gsiddamal@gmail.com

 [/in/ganesh-siddamal](https://in/ganesh-siddamal)

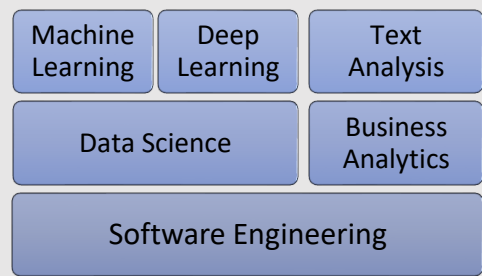
 [ganeshuvs](https://github.com/ganeshuvs)

 www.gus20519.wixsite.com/mysite

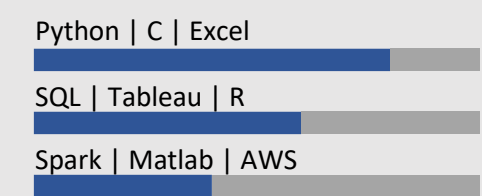
 (201)736-2843

Skills

Overview:



Programming & Tools:



Network Protocols & Tools:

TCP/IP, DHCP, DNS, IPsec, SSL, VPN, BGP, Wireshark, GNS3, Packet Tracer, Linux, IDS, IPS, IT Security, Security+ (pursuing)

Libraries:

Scikit-learn, Keras, Tensorflow, NumPy, SciPy, Pandas, Nltk, Librosa, Matplotlib

Machine Learning Algorithms:

Clustering, PCA, Linear Regression, Logistic Regression, SVM, Random Forests, Neural Networks

Business-Sectors:

Online Search – Google Analytics, Healthcare – Predictive Analysis

Experience

Cyber Security Analyst Intern

Summer 2018 (Present) & Summer 2017

Technical Consulting and Research, Inc. – New York, USA

- Analyze NIST Cybersecurity Frameworks implemented in larger companies
- Understand Threat Analysis Report & perform cyber system security assessments
- Analyze security practices like Access Control, Incident Response, Risk Assessment implemented in larger companies and check the NIST compliance
- Implement state-of-the-art Machine Learning to identify security breaches
- Build a predictive model using text mining to identify Identity Theft using previous textual reports and logs

Graduate Assistant Data Analyst

2017 – 2018

New York University – New York, USA

- Process graduate applications using Excel and assist in decision making
- Visualize admission decision & internship record trends using Tableau

Data Scientist

2014 – 2015

Mu Sigma Inc. – Bangalore, India

Client: Microsoft, Departments: Search Advertising, Windows App Store

Teams: Market Intelligence, Performance Analysis

Projects: Customer Journey Analysis, Customer Segmentation, Ad Platform Comparison

Data: IE logs, ComScore, Windows App-store data for Mobile & PC

Responsibilities:

- Make hypothesis & process flow design and validate it using data. Pull data from Microsoft's Big-Data platform COSMOS by running SQL scripts
- Predictive and sentiment analysis (Customer Journey Analysis) after ad is clicked
- Client interaction to deliver actionable insight & track project timelines
- Run K-Means clustering to segment the app-developers for targeted marketing
- Design segment wise campaigns to improve app-developer performance

Education

Master of Science, Electrical & Computer Engineering

2016 – 2018

New York University, USA

Bachelor of Engineering, Electronics & Communication Engineering

2010 – 2014

Pune Institute of Computer Technology, India

Projects

Graduate Machine Learning Project: Otto Product Classification

Spring 2018

(<https://github.com/ganeshuvs/Otto-Product-Classification-Grad-Project>)

- Task: Build a model to classify a product with 93 features into 10 categories
- Libraries: Numpy, Pandas, Keras, Sklearn, Scipy
- Algorithms: SVM, Neural Networks, XGBoost and Random Forests
- Approach: Ensemble Learning. This approach takes weighted average of the different algorithmic predictions

Transfer Learning with a Pre-Trained Deep Neural Network

Fall 2017

(<https://github.com/ganeshuvs/Introml-Grad-Labs>)

- Task: Make use of existing Deep Neural Network for a new classification task
- Libraries: Keras (Neural Networks)
- Algorithms: Neural Networks
- Approach: Retrain only the final layers of a large pre-trained Neural Network

Host Exploitation using Metasploit and DHCP Starvation

Fall 2017

- Host exploitation is done using Metasploit framework and Meterpreter payload.
- Wrote a scapy program for DHCP starvation attack that leads to denial of service