Surya Srikar Sirigineedi

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SUMMARY

Data Scientist with 3+ years of experience executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing. Experienced at creating data regression models, using predictive data modeling, and analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems.

TECHNICAL SKILLS

PROGRAMMING: C#, JAVA, VC++, SQL, C, Python, JavaScript.

DATABASE: My SQL, MS SQL, Mongo DB.

ML PACKAGES: NLTK, Tensor Flow, scikit-learn, data wrangling, NLP.

TOOLS: Visual Studio, Android Studio, Eclipse, SSMS, SQL Profiler, Postman.

CLOUD: Microsoft Azure, AWS, GCP.

DATA VISUALIZATION: SAP Crystal Report, Power BI, MS Chart, SSRS.

EDUCATION

FLORIDA INTERNATIONAL UNIVERSITY
Master of Computer Engineering, USA
Aug 2018 – April 2020 **GPA:** 3.8

JAWAHARLAL NEHRU TECH UNIVERSITY
Bachelor of Engineering, India
Aug 2011 - May 2015 **GPA:** 3.7

PUBLICATIONS

2020 The 4th International Conference on Compute and Data Analysis: "*Learning-based models to detect runtime phishing activities using URLs"* by **Surya Srikar**.

2020 GIS Conference *"Internet enabled remotely controlled architecture to release water from storage units"*.

EXTRA CURRICULAR

AWARDS: Runner up for MITRE Shell hack 19 organized by Computer Science Dept.

POSITION: Worked as Vice President at IETE Student. Treasure for FIU Indian Club.

BUSINESS: Ran my own computer service center business during my college days.

PROFESSIONAL EXPERIENCE (3+ Years)

DATA SCIENTIST- FIU ARC, USA **Aug 18 – Till Date**
Exposure: Hadoop, Kubernetes, TensorFlow, Spark, Classification.

- Took ownership as architect and developed a data pipeline health monitoring system using Azure Mobile Apps, Web API with team.
- Built HIDS using SVM and LSTM, achieved 89 % accuracy in detection.

MACHINE LEARNING INTERN – CBS Interactive, USA **May – July 19**
Exposure: Time Series Analysis, Big Query, Docker, Flask.

- Used predictive analytics such as machine learning and data mining techniques to forecast company daily web traffic with a 95% accuracy.
- Installed and supported entire **CI/CD** pipeline on AWS Cloud for app.

Sr. SOFTWARE ENGINEER – GGK Tech **Mar 17 – Aug 18**
Exposure: MS SQL, Microsoft Azure, Data Pipeline, Web API, Dot Net.

- Collaboration with different team members to build cloud data streamlining to process events for 30k IOT devices and UI interface.
- Updated existing intervention recommendation system, ETL mappings validation, ad- hoc reports and analysis for Inovalon USA health care.

MACHINE LEARNING ENGINEER – Zen Technology **Dec 14 – Mar 17**
Exposure: distributed computing, Math, Statistics.

- Increased accessibility and usability of customer data by redesigning data visualization techniques to include statistical graphs.
- Built an automate motion detection and calibrate application which has reduced 40% of manually effort.

PERSONAL PROJECTS

RECOGNITION OF BLAST CELLS IN ACUTE MYELOID LEUKAEMIA:
Classifying a given Microscopic morphological image has a blast cell characteristic or not.

NETWORK INTRUSION DETECTION SYSTEM: Deep Learning, AI
Detecting the malicious activity in the network using the network encrypted payload using CNN Auto Encoder Decoder Neural Networks.

HAND TALK TRANSLATOR: Android SDK, Tensor Flow Lite
Developed an android application with CNN which recognize American sign language recognizer to help communicate with mute person.

RECOMMENDATION SYSTEMS: Natural Language Processing
Recommender System is a system that seeks to predict or filter preferences according to the user's choices.

PHISHING URL DETECTOR: Natural Language Processing
Applied feature engineering technique on the phishing URL to extract the features for a URL to classify the URL is malicious or not.

CERTIFICATION

- Data Science with Neo4j, Introduction to Neo4j, Data Science Essential Training, Bharat Sanchar Nigam Limited (BSNL) in plant training.