Datta Sainath Dwarampudi

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EDUCATION

New York University, New York, USA — May 2018
Master of Science, *Computer Science*
GPA: 3.97/4.0
Courses: Machine Learning, Neural Networks, Big Data Analytics, Computer Vision, Data Structures & Algorithms.

Jawaharlal Nehru Technological University, Hyderabad, India — May 2012 – May 2016
Bachelor of Technology, *Electronics and Communication Engineering*
GPA: 3.9/4.0

TECHNICAL SKILLS

Programming Languages : Java, Python, C, C++, MATLAB, HTML & CSS, Pyspark, Scala, R.
Database : DynamoDB, MySQL, NoSQL.
Operating Systems : Mac OS X, Windows, Ubuntu.
Other Tools/Packages : Eclipse, MS Office, GIMP, Arduino, Raspberry Pi, Spring Framework, Bootstrap.

EXPERIENCE

Center for Data Science, New York University, *New York, USA* — Sep 2017 – Present
Teaching Assistant, Advanced Python for Data Science (Python)

- Develop and teach lab sessions for Advanced Python for Data Science course.

Amazon Web Services (Marketplace), *Seattle, USA* — Jun 2017 – Sep 2017
SDE Intern (Java, Spring Framework, DynamoDB, HTML & CSS)

- Developed a web service from scratch (backend to frontend) which offers an effective dashboard to implement various functions of a revision-controlled document store.
- Designed, created and modified APIs to support the created web service.

Electronics Corporation of India Limited, *Hyderabad, India* — Mar 2014 – Apr 2014
Summer Intern (Embedded C language)

- Designed a PIC-Based IR Remote Control Moving Robot for carrying out human rescue missions by establishing a communication link between a universal infrared remote control to a PIC based.

ACADEMIC PROJECTS

2017 – Determine efficient positions of emergency response teams in NYC – Big Data (Pyspark, Scala, R, Tableau)
Analyzed emergency services data using Pyspark and Scala.
Determined new efficient positions of fire stations of few zip codes in (New York City) NYC using clustering algorithms to reduce response time of emergency services.

2017 – Twitter Bot Detection – Machine Learning (Python)
Developed own algorithm for this project and it lead to an **accuracy of 98%.** We secured ***2nd position*** **in the Kaggle competition.**

2017 – Breast Cancer Facts - Amazon Alexa Skill
Created this skill to create awareness of breast cancer. This skill can talk about various facts of breast cancer.

2016 - Intelligent Traffic Light System using Digital Image Processing Technique & IR Sensors (Python)
Used a series of **Digital Image Processing techniques to analyze the traffic of a road.**
Estimated amount of green light to be allotted for a road way to control the traffic congestion affectively.

2015 - Optical Character Recognition - Machine Learning (MATLAB)
Using K-Nearest Neighbors Algorithm we could successfully detect the registration numbers of the cars violating traffic rules from the pictures captured.
Could successfully achieve **an accuracy of 88%.**

PUBLICATIONS

Datta Sainath D., Susheel Karthik V. VIBGYOR BOX: Hybrid Password, single authentications step with text and graphical based password. *International Conference on Innovations in Computer Science and Information Technology, India.*

Datta Sainath D., Venkat Sai Vivek K. Efficiency of LiDAR Sped Gun. *Institute of Research and Journal Proceedings of 5th IACEECE-2013.*