Siddarth Sreeni

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EDUCATION

BITS-PILANI
B.E(honors) in Electrical and Electronics Engineering
Grad. 2018 | 7.3

VIJAYAGIRI PUBLIC SCHOOL
Senior High School
Grad. May 2014 | 94.0

TOC-H PUBLIC SCHOOL
High School
Grad. May 2012 | 9.6

LINKS

LinkedIn:// **siddarth-sreeni**
StackOverflow:// **siddarth-sreeni**

EXPERTISE

TECHNOLOGIES USED/WORKED ON
Amazon Web Services
DevOps
Application design and development
NoSQL - DynamoDB, Cassandra
RDBMS - Oracle DBMS, PostGreSQL
Micro-services
Artificial Intelligence
Cloud Computing

SKILLS

- Dockers • Apache Ignite • Apache Spark
- Kubernetes • DCOS, Mesos • ECR
- Fargate • AWS Lambda, SQS • SNS
- DAX • Android • C • Linux
- Distributed Data • Shell scripting
- scala • python • SQL • Lambda
- C++ • Java • Git • Jenkins
- EC2 • AWS dynamoDB • Open Source

INTERESTS

- Reading • Travelling
- Tech savvying
- Sports e.g. Basket Ball, Football

EXPERIENCE

HERE TECHNOLOGIES / NOKIA HERE MAPS
Software Engineer II, Mumbai
July 2018 – Present

- Pioneered a huge change to micro-services architecture from the existing tightly coupled relational model. Driving team in this transition and key person. Developing code support to all existing software.
- Successfully worked on enhancing the existing API macro-services, Production support and working on Amazon Web Services and also automation on AWS.
- Deployed and released an dependency jar to aggregate legacy software and currently leads this project. Showcased launching decade old applications as part of this migration (known as open location platform XYZ).

R&D Research Intern, Mumbai
Jan 2018 – June 2018

- Worked on a POC on AWS using fargate to replace CONTROL-M; a job scheduling which later went onto be showcased in engineering show case. Earned learn fast and win-together appreciations from leader ship
- Re-wrote the house number location prediction using machine learning and analysed the problem statement. Currently in production environment.
- Worked on the initial framework and successfully converted a tightly coupled RDBMS data structure to NoSQL.

K.S.E.D.C, GOV.T OF KERALA
Research Intern
July 2016 – Aug 2017 | Trivandrum, Kerala

- Implementation of an Echo sounder on Open Source Hardware- (ARM 64 based processor) and software platforms.
- Designed a Software for mapping the depth of the ocean floor logging data and plotting it in real time as used in the Indian Navy Ships and Vehicles.

PROJECTS

IOT IN TINYOS Jan-May 2016 | BITS Pilani
Used Telosb Motes to communicate with each other and send data to and fro across the internet Mentor: Dr. Anupama K.R

IMAGE PROCESSING USING MACHINE LEARNING Aug–Dec 2016 | BITS Pilani
A comparison based study of classifying different 3D scan medical images (MRI) using different ML algorithms in Cuda. Mentor: Dr. Anita Aggrawal.

MARITIME DATA GATHERING AND STATISTICAL ANALYSIS.
Oct2017–Mar 2018 | BITS Pilani
Maritime data gathering and statistical analysis. Mentor . Dr. R. P. Pradhan.

GPU GOVERNOR FOR SD820 SOC- ADRENO 530 May 2017
- Similar to on-demand but less intense than MSM-Adreno from Qualcomm
- Graceful scaling of GPU frequency covering all frequency unlike performance mode

Publications

- Siddarth Sreeni., Hari S R., Harikrishnan R., Sreejith V., "Multi-Modal Posture Recognition System for Healthcare Applications" IEEE TENCON, South Korea, Oct 2018
- Siddarth Sreeni., Sahitya Tahiliani., Tushar Gothankar., "Machine Learning Based Maximum Power Point Tracking In Tidal/Ocean Energy Conversion Systems" - International Journal of Electronics, Electrical and Data Communication ,Volume 5 Issue 4