

Education

Thiagarajar College of Engineering <i>Bachelor of Technology, Computer Science and Engineering (CGPA: 9.58)</i>	Madurai, India 2010 - 2014
Nadar Higher Secondary School <i>TamilNadu Higher Secondary School Examination (Score: 92.41%)</i>	Madurai, India 2010
Nadar Higher Secondary School <i>TamilNadu Secondary School Examination (Score: 95.2%)</i>	Madurai, India 2008

Programming Skills

Machine Learning Frameworks: Apache Spark, Sklearn, Pycaret, H2O, PyTorch, Prophet

Languages: Java, Python, C, JavaScript, HTML

Databases: MySQL, SqlLite3

Web Development Frameworks: Python Flask, jQuery, Twitter Bootstrap

Operating Systems: Unix (mainly MacOS, Ubuntu)

Version Control Systems: Git, Mercurial

Interests

- Machine Learning Systems
- Natural Language Processing
- General purpose programming
- Scripting
- Photography

Work Experience

Facilio Inc. <i>Machine Learning Engineer</i>	Chennai, India Mar 2019 - Present
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- Designed and developed energy optimization solutions for real estate market by framing various use cases and deploying them in production
- Built a model to predict the monthly energy consumption and use it as baseline for anomaly detection and alarm generation
- Developed an ML model to predict the peak hour of power load for load balancing
- Built a customizable chatbot assistant using Rasa framework
- Worked on various anomaly detection techniques

Zoho Corporation <i>Member Technician Staff, ZLabs Machine Learning</i>	Chennai, India Aug 2015 - Feb 2019
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- Worked on various NLP applications using ML techniques that are being used by other product teams
- Derived working models for the below use cases:
 - * *Clustering:* Find abnormal activities in response time and resolution time in the network
 - * *Classification:* Sentiment analysis, email zone classifier, noise removal classifier, approval prediction, reopen probability prediction
 - * *Recommendation:* Technical agent prediction
 - * *NLP Tasks:* Automatic keyword extraction using RAKE, text summarization using text ranking

- * *Text Processing*: Auto tagging using topic modeling (LDA)
- * *DevOps*: Time invested in Apache spark UDF parallelism, dynamic jar class loader (JCL) and data file system (DFS) written on top of Hadoop
- Most of the above are written in core Java using *Apache Spark (MLlib)* as the primary framework

Zoho Corporation

Chennai, India

Member Technician Staff, Firewall Analyzer On-premises

April 2014 - July 2015

- Developed a core feature called *policy optimization*, used to detect and report all the anomalies in firewall policies
- Developed another feature called *rule reorder*, that suggests the order in which a firewall performs best
- *Built both the above features from scratch in core Java for Firewall Analyzer tool*

Zoho Corporation

Chennai, India

Project Intern, Firewall Analyzer On-premises

Oct 2013 - March 2014

- Validated various firewall policy optimization techniques and derived the best working solution as part of a research work
- *This proof of concept was written using core Java*

Projects

TCE Enterprise Asset Management (TEAM)

- An intranet portal for our college to manage various sensitive asset information such as financial details, purchase details, payment details, etc.
- As a team of four, we developed this portal from scratch using Python
- Saved *two lakhs* for our college with this project

Implementation of client-side encryption in the cloud

- Implemented homomorphic encryption for better client side confidentiality in private cloud computing environment
- *This project was written using Java*

Achievements/Other Activities

- Received Gold medal from Madurai District Collector for scoring 95.2% in SSLC
- Published a paper in 3rd international conference - SEMCCO 2012 on *Memetic Algorithm Based Task Scheduling Local Search* in Odisha
- Fond of note-taking, and currently learning to efficiently use Roam Research, a note taking tool

Work Profiles

Github URL : <https://github.com/seenimohamed>

LinkedIn URL : <https://www.linkedin.com/in/seeni-mohamed-b4a79441/>

(Last updated on 10/05/2020)