SRINIDHI NANDAKUMAR

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EDUCATION

University of Southern California, Los Angeles, CA   May 2019
Master of Science in Computer Science
Sardar Vallabhbhai National Institute of Technology, Surat, India   May 2017
Bachelor of Technology in Computer Engineering   GPA: 9.25/10
Relevant coursework: Design and Analysis of Algorithms, Artificial Intelligence and Machine Learning, Data Science.

EXPERIENCE

ISEA IEEE Asia Security and Privacy Conference [asia-sp.in**]**   August 2016 - February 2017
Web Developer and Website Manager
- Designed content and website for conference including pages and fill up forms.
- Maintained the conference website and responsible for regular updates.

Wipro Digital Technologies, Bangalore, India   May 2016 - July 2016
Summer Intern
- Conceptualized algorithm to implement concepts of Convolutional Neural Network to text classification with TensorFlow.
- Designed a chatbot to accurately classify questions posed by developers with accuracy of 81.2%.
- Employed word to vector mappings and NLTK to detect keywords and phrases.

Sardar Vallabhbhai National Institute of Technology, Surat, India   May 2015 - July 2015
Summer Research Intern
- Created algorithm to improve energy efficiency for home automation modules by 25%.
- Coded algorithm and built android application to allow users remote control.

PROJECTS

User Reputation System for Cloud Service Providers [View Github Repository**]**   August 2016 - May 2017
- Led a team of 3 to create a classification model with C4.5 decision tree algorithm.

Exploring Neural Networks: CNN and RNN   August 2016 - December 2016
- Conducted in-depth study on neural networks with special focus on Convolutional Neural Networks for image detection and Recurrent Neural Networks for text prediction.
- Reviewed implementation of Long Short Term Memory neural network model on MATLAB.
- Presented before a jury of internal examiners and submitted to computer engineering department.

Restful Web and Mobile Search Engine   January 2016 - May 2016
- Implemented restful web and android application with Slim framework using AngularJS and PhP.
- Fashioned a document search engine that allowed filters such as keywords, authors, document title and recent uploads.
- Statistics displayed such as number of downloads for each document.

Stock Market Prediction Techniques   August 2015 - December 2015
- Developed a model using MATLAB's inbuilt library NNToolBox to apply Levenberg Marquardt algorithm for non-linear data fitting problems.
- Estimated closing stock prices, given opening stock prices using model trained over a dataset ranging 15 years.

TECHNICAL SKILLS

Language Skills: C ● C++ ● Java ● Python ● Android ● Shell
Web Development Skills: HTML ● CSS ● Javascript ● jQuery ● PHP ● MySQL
Frameworks/Packages: TensorFlow ● Weka ● SWI Prolog ● MATLAB ● Photoshop

EXTRACURRICULAR ACTIVITIES

Carnatic vocalist: Trained over 12 years.
Coordinator of the Hospitality and Creative Design committee in SPARSH: Led 8 members to handle technical workshops.
Magazine Secretary in Mother Teresa Bhavan: Collaborated with 4 members to bring in interesting magazines for students.
Painting and Craft Work: Deep interest in quilling, zentangle, oil painting and canvas painting.