

SRINIDHI NANDAKUMAR

710 W 27th Street, Los Angeles, CA 90007 | +1 (213) 294 6337 | [linkedin.com/in/srinidhinandakumar](https://www.linkedin.com/in/srinidhinandakumar)
srinidhi.enkay@gmail.com | snandaku@usc.edu | GProfile=github.com/srinidhinandakumar



EDUCATION

University of Southern California, Los Angeles, CA

May 2019

Master of Science in Computer Science

Relevant coursework: Analysis of Algorithms, Foundations of Artificial Intelligence.

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

Information Retrieval and Data Science Group, USC [irds.usc.edu]

Sep 2017 - Present

Graduate Student Researcher

- Automating interactions of Facebook messenger chatbot to ease the tasks of providing referrals.
- Enhancement in efficiency of Community Resource Advisors at 211LA [211la.org].

ISEA IEEE Asia Security and Privacy Conference [asia-sp.in]

Aug 2016 - Feb 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 - Jul 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 - Jul 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 [GProfile/[user_reputation_system](https://github.com/srinidhinandakumar/user_reputation_system)]

Aug 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

Aug 2016 - Dec 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.

Stock Market Prediction Techniques

Aug 2015 - Dec 2015

- Developed a model using MATLAB's inbuilt library NNToolBox to apply Levenberg Marquardt algorithm for nonlinear 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 • Python • C++ • Java • Android • Shell

Web Development Skills: HTML • CSS • Javascript • jQuery • PHP • MySQL • REST API

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.