Sri Ananda Seelan

Chengalpet

91 9789269542

ananda.seelan@gmail.com

Education

Amrita School of Engineering, Amrita Vishwa Vidyapeetham — Coimbatore, India
Bachelor of Technology, Computer Science and Engineering (CGPA: 8.29) — *2010 - 2014*

Sri Sarada Balamandir Boys' Matric Hr. Sec. School — Salem, India
TamilNadu Higher Seconday School Examination (Score: 95%) — *2010*

Programming Skills

Deep Learning Frameworks: Keras, TensorFlow, NumPy

Languages: Python, Java, JavaScript, HTML

Databases: MySQL

Web Development Frameworks: J2EE, Python Flask, jQuery, Twitter Bootstrap, Enyo JS

Operating Systems: Linux (mainly Ubuntu, OpenSuse but also familiar with other distributions)

Version Control Systems: Mercurial

Interests

- Deep Learning Systems
- Natural Language Processing
- General purpose programming
- Web development
- Information Systems

Work Experience

Zoho Corporation — Chennai, India
Member Technician Staff, ZLabs Deep Learning — *May 2017 - Present*

- Working on various NLP applications using Deep Learning Techniques that will be used by other product teams
- *Developed a neural network backed Answer Selection model for an automatic answering system for a help desk software*
- *This model is a deep dual encoder neural network based on a paper by Lu et al, 2017 from Amazon, written in Keras*

Zoho Corporation — Chennai, India
Member Technician Staff, ManageEngine ServiceDesk Plus OnDemand — *April 2014 - April 2017*

- Developed a RESTful web framework that is typically used everyday by module/feature developers for quickly implementing REST APIs.
- *The framework is written with core Java. Responsibilities included active development and maintenance of core parts of this framework.*

Zoho Corporation — Chennai, India
Project Intern, ManageEngine ServiceDesk Plus OnDemand — *Feb 2014 - March 2014*

- Developed a Computer Telephony Integration addon for ServiceDesk Plus OnDemand - a cloud based IT Help Desk software.
- *Wrote API bindings and a standalone client application for Avaya PBX.*

Human Factors International Pondicherry, India
Intern *Dec 2012*

- Interned with a contractor for HFI working on a cross-platform desktop application to monitor their servers. This application serves as a control panel that is being used by the employees to control and monitor their remote servers.
- *Primarily worked with adding/tweaking few GUI components of this application written with wxWidgets.*

Amrita Multi-dimensional Data Analytics Research Lab Coimbatore, India
Undergraduate Student Researcher *May 2012 - Dec 2013*

- Was part of a team of research interns who were working on several Information Retrieval projects in Amrita MultiDimensional Data Analytics Lab, Department of CSE.

Projects

A statistical approach for modeling Inter-Document relatedness

- This work, done at the Amrita Multi dimensional Data Analytics Lab was aimed at devising a statistical model that automatically identifies and quantifies different types of relatedness between scientific/technical documents. This system would find important applications in educational Digital libraries to help a user by directing the order of material he/she searches to learn.
- Consequently, a research article was written by us with the above title and the manuscript has been communicated with *"Journal of Intelligent Information Systems"* - a reputed research journal.

Incremental and Hierarchial index for faster TF-IDF calculation

- This project was aimed at reducing the calculation time of TF-IDF, an important and fundamntal metric in Searching and Ranking.
- Designed and implemented an incremental and hierarchial index with an in-memory key value store and achieved faster calculation of this metric.
- *This utility was written in Python.*

Feedback aggregation tools for a Video Recommender system

- Developed a couple of simple video browsing applications along with a recommender system based on the results of our previous project "A statistical approach for modeling Inter-document relatedness". These web applications were used to log user feedback(both implicit as well as explicit) and check the user intent against our results.
- *Python was the primary language on which the servers were written with Flask as the web framework. SQLite was used as the database server and jQuery for frontend.*

Achievements/Activities

- Qualified for the ACM-ICPC 2014, Amritapuri regionals
- Currently trying to be active on various Kaggle competitions
- Secured the third position in a code-a-thon event conducted by Amrita School of Engineering-Bangalore for developing a game application in 24 hours
- Won the second place in "Hexathalon", a technical event conducted during a National level Tech. Fest conducted by Amrita University

(Last updated on 04/02/2018)