

Gowtham Kannan B

Bloomington, Indiana, United States of America

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Motivated and competent computer science graduate student looking for internship opportunities in Summer 2018

Education

Indiana University

Bloomington, USA

MASTER OF SCIENCE IN COMPUTER SCIENCE

Relevant coursework :- Machine Learning, Advanced database concepts, Computer Vision, Computational Linguistics

May 2019(Expected)

(3.57/4)

PSG College of Technology

Coimbatore, India

MASTER OF SCIENCE IN THEORETICAL COMPUTER SCIENCE

Relevant coursework :- Data mining, Information Retrieval, Graph Theory, Optimization techniques

May 2015

(7.87/10)

Skill Set

Languages Python, Java, C, HTML, Javascript

Database Oracle, PostgreSQL, MongoDB, Teradata, Hive, SQLite

Platform Linux, Windows, OS X

Frameworks Hadoop, Spark, NodeJs, AngularJs, Bootstrap, Tensorflow, Keras, PyTorch

Tools MATLAB, \LaTeX , Git

Industry Experience

Cisco Systems

Bengaluru, India

SOFTWARE ENGINEER

August 2015 - July 2017

- Built a distributed search engine using PySpark for a widely used internal data service tool.
- Developed an application for the Cisco Sales team for forecast sales of Cisco products in the market.
- Developed an automation tool in Java to handle database admin activities in Teradata as part of Cisco's enterprise data stack.
- Wrote map-reduce scripts using Hadoop to automate ETL transactions.

Cisco Systems

Bengaluru, India

SOFTWARE ENGINEER INTERN

February 2015 - June 2015

- Developed an application to capture customer sentiments in Python using Google's Word2vec model.

Research Experience

Linguist group

Indiana University, Bloomington

GRADUATE RESEARCH

January 2018 - Present

- The study is focused on using deep learning techniques on audio and linguistic features to improve the functioning of audio speech recognition systems.

Institute of Mathematical Sciences

Chennai, India

STUDENT INTERN

May 2013 - November 2013

- Investigated fixed parameterized (FP) class of algorithms in the class of NP-Complete graph problems and worked on a new FP algorithm for finding the dominating set for bi-partite graphs.

Personal Projects

Real time emotion detection in humans

Link: [Emonet](#)

- Implemented face detection algorithm for capturing human faces in live feed
- Developed a deep learning model to predict the emotion from the image
- Achieved an accuracy of 93 % on MMI expression dataset
- Used convolutional neural networks combined with batch normalization as basic blocks for the model.

Twitter Recommender

Link: [Twitter-recommendation](#)

- Built a recommender system that suggests twitter profiles based on a query
- Worked on Tweepy, a Python API, to collect live stream data from twitter
- Used Latent Dirichlet model to rank profiles related to a query