

SATHISKUMAR

91-(978)-628-2474 ♦ sathiskumar.jp@gmail.com

EDUCATION

IIIT Hyderabad

M.Tech in Computer Science and Engineering

May 2018

CGPA 7.6/ 10.0

College of Engineering, Guindy

B.E in Computer Science and Engineering

May 2014

CGPA 7.2/ 10.0

WORK EXPERIENCE

Broadsoft

Junior Software Developer

July 2014 - 2016

Chennai, India

- Worked on development of Web applications using Backbone framework and RESTful Web Services

ACADEMIC PROJECTS

Wikipedia Search Engine

Implemented Using python

August 2018

IIIT Hyderabad

- Implemented a scalable and efficient search engine using 60GB of Wikipedia data.

Duplicate Question Pair Detection

Implemented Using keras

October 2018

IIIT Hyderabad

- Implemented a deepnet architecture using Keras on Tensorflow to detect duplicate question pairs.

P2P File Sharing

Implemented Using C++

September 2017

IIIT Hyderabad

- Created a hybrid P2P file sharing system[Chord (peer-to-peer)] over the LAN using socket programming where users can upload their files and download the files which are shared by other users.

Function as a service

Implemented Using Java,Docker,RabbitMQ

March 2018

IIIT Hyderabad

- We designed and implemented FaaS platform,where application developer can deploy the service,they developed.

Services are triggered using event based mechanism.

LLVM IR

Implemented Using lex,yacc,c++

November 2018

IIIT Hyderabad

- Implemented AST and worked on development of Codegen for decaf programming language.

Design pattern:Visitor

Parallelization of Neural Network

Implemented Using c++

March 2018

IIIT Hyderabad

- Implemented parallelization of neural network using openMPI for (handwritten digits)MNIST dataset.

ACHIEVEMENTS

- Secured 3rd in Onsite Programming Contest at i++ 2012
- Secured 3rd in Onsite Programming Contest at aBaCUS 2013.
- Secured 3rd in Data Struts event at ITRIX13.
- Finalists in O (1) of ITRIX13
- Secured 2nd place in Compuwars at aBacus 2014.

AREA OF INTEREST

NLP

Data Structures and Algorithms

Operating Systems

Programming

TECHNICAL STRENGTHS

Programming Languages	C, C++, Java, HTML, CSS Javascript, Backbone.js
Programming concepts	Algorithms, Data structures, OOPS
Databases	MySQL

ADDITIONAL INFORMATION

Responsibilities Undertaken

- Kurukshetra : (the annual techno-management symposium of CEG which has got UNESCO patronage) Core member, Logistics Team, of Kurukshetra'14.
- aBaCUS : (the annual technical symposium of Computer Science department of CEG) Active organizer of many events of aBaCUS.

Hobbies and Interests

- Reading Books,Playing Badminton,Cooking