

# Sasidhar Kumar M

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## EDUCATION

### NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY

B.TECH IN METALLURGICAL AND MATERIALS ENGG  
Minor in Computer Science  
Expected May 2019  
Cum. GPA: 7.72

### MAHARISHI VIDYA MANDIR

PCM WITH COMPUTER SCIENCE  
Grad. May 2015 | Hosur, TN  
Sports Captain(2013-14)  
Grad Score: 94.6%

## LINKS

Github:// [SasiDharKM](#)  
LinkedIn:// [sasidharkm](#)

## SKILLS

### PROGRAMMING

Over 5000 lines:  
C • C++ • Python  
Over 1000 lines:  
Octave • Android • PHP  
Familiar:  
Git • SQL • Javascript •  $\text{\LaTeX}$   
Java • HTML & CSS  
Tools:  
Android Studio • Emacs  
IntelliJ IDEA • Vim • Linux

## COURSEWORK

### UNDERGRADUATE

Data Structures  
Computer Organization  
Basics of Programming  
Numerical Techniques  
Transforms & Partial Differential Equations

### INDEPENDENT

Introduction to Algorithms  
Mathematics for Computer Science  
Machine Learning

## EXPERIENCE

### SPIDER-R&D | SOFTWARE DEVELOPER

July 2016 - Present | Trichy, TN

- Active member of Spider, which is the premier coding and electronics club.
- Helped conduct a workshop for Software Development + Electronics to induce participants interest towards technology and it had a 250+ turnout.

### METTLE | LEAD WEBOPS DEVELOPER

Sep 2016 - Present | Trichy, TN

- Responsible for building and maintaining entire computing infrastructure that powers Mettle, which is the annual Symposium of MME.
- Complete implementation of the web platform for the monitoring of participants, event statistics and sales of tickets.
- Implemented the registration mechanism including automatic sending of activation e-mails and generation of unique IDs for participants.

## PROJECTS

### AGAMOTTO | HELPS FOLLOW THE 20-20-20 RULE

May 2017 - June 2017 | Trichy, TN

Agamotto is a command line reminder tool, which reminds the user to take regular breaks at user-defined time intervals.

- Helps prevent CVS and RSI which usually results from improper rest to the eye.

### SPORTSFETE'17 | GOOGLE PLAY RATING: 4.9

Jan 2017 - Feb 2017 | Trichy, TN

The SportsFete App provides real-time scores, live commentary, fixtures, schedules, the Leaderboard and alerts from the inter-departmental sports festival of NIT Trichy.

- Real-time scores, stats, and news from all the events of SportsFete'17.
- Option to personalise feeds based on depend enabling notifications.

### SEARCH ENGINE | BASIC SEARCH ENGINE MODULE

<https://github.com/SasiDharKM/SearchEngine> | Hosur, TN

A hack which takes in a query and returns a set of indexed pages depending on the rank of the page pre-determined by the popular PageRank Algorithm.

- The web-crawler crawls the web by a depth-first search routine.
- Hash Table data structure is used for indexing efficiently.

### FITNESSE | FITNESS WITH A FINESSE

<https://github.com/SasiDharKM/Project-Fitness> | Trichy, TN

An Android application that keeps track of fitness routines and the racked-up miles.

- It also has a feature to play music to keep them motivated throughout.

## AWARDS

2015	First	Computer Science & Mathematics (AISSCE)
2013	Finalist	The Science Quiz by FIITJEE
2013	Semi-Finalist	CBSE Heritage Quiz