

SHRAVAN MURALI

shravanmurali.com | shravanmurali@gmail.com

EDUCATION

NIT TRICHY

B.TECH IN MECHANICAL ENGG.
May 2014 - present | Trichy, TN
Expected graduation : May 2018
Overall CGPA: 7.45
Computer Science CGPA: 8.60

M.E.S INDIAN SCHOOL

Grad. May 2014 | Doha, Qatar
12th grade : 93.8 %

LINKS

- Github:// [shravan97](#)
- LinkedIn:// [shravan97](#)
- SPOJ:// [shravan97](#)
- Blog:// [blog.shravanmurali.com](#)

COURSEWORK

UNDERGRADUATE

- C Programming
- Applied Electrical & Electronics
- Probability and Statistics
- Linear Algebra
- Fourier Transforms
- Numerical Methods
- Image Processing

INDEPENDENT

- Algorithms : Design and Analysis I & II, By Stanford University
- Machine Learning, By Andrew Ng (Stanford University)
- Operating Systems and Systems Programming (CS 162) , UC Berkeley
- CS231n Convolutional Neural Networks (Stanford university)

SKILLS

PROGRAMMING

Over 5000 lines:
C++ • Python
Over 1000 lines:
Java • Javascript • C • PHP
version control :
Git
Tools and Databases:
MySQL • Apache • Shell
Frameworks/Libraries:
TensorFlow • Keras • PyTorch
Flask • Django • Guice • JUnit4

EXPERIENCE

GOOGLE | WEB SOLUTIONS ENGINEERING INTERN

May 2017 – July 2017 | Hyderabad, INDIA

Worked with the Data & Tools team in gTech (sales operation) to facilitate the efficient collection of metrics in a pipeline written in FlumeJava for a configurable quality tool. This involved the use of many state-of-the-art Google technologies like Guice, Spanner and Protocol Buffers

RESEARCH

NIT TRICHY | AUGUST 2017 - PRESENT

Instructor : ES Gopi

Developing a machine learning model to estimate the quality of a vehicle driver using the driving dataset from University of Stuttgart, Germany

AUTOMATED WORD GAME | AUGUST 2017 - PRESENT

Abstract : <http://shravanmurali.com/abstracts/wordhunt-abstract.pdf>
Automatic question making in online treasure-hunt competitions using Word2Vec and Deep NLP

PROJECTS

SAFR | SEPTEMBER 2016 - PRESENT

(WON INGENIUS HACKATHON)

An Android app that enables you to login to any domain by simply scanning a QR code instead of remembering your tedious credentials

COMPETITIVE-DL | JULY 2016 - PRESENT

(360+ DOWNLOADS)

link : github.com/shravan97/competitive-dl

A Python based command line application to automatically download questions from various competitive programming websites like Codeforces and Spoj, as PDFs

PRAGYAN CMS | OCTOBER - DECEMBER 2015

(1800+ DOWNLOADS)

link : github.com/delta/pragyan

Wrote a module called the publications module for an open source CMS built using PHP. The module enables faculties to create, edit and delete their publications

OPEN SOURCE

OPENMINED | OCTOBER 2017 - PRESENT

link : <https://github.com/openmined/>

Implemented the tensor unfold operation for PySyft, the deep learning and homomorphic encryption library of Openmined. The unfold operation was implemented efficiently using Numpy

DUCKDUCKGO | OCTOBER 2016 - JANUARY 2017

link : github.com/duckduckgo/zeroclickinfo-fathead

Implemented web scraping in Python to fetch the details of over 400 SQLAclahmy functions from the documentation

ACHIEVEMENTS

2017	2nd Place	Shaastra Algorithmic Coding contest 2017, IIT Madras
2016	55 out of 1900+	Battle of Bots #7 by HackerEarth
2016	106/2900+ teams	ACM ICPC 2017 India Online round
2016	1st out of 250+ teams	Ingenius Hackathon, conducted by PESIT, Bangalore