

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

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
- 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/>

Implementing tensor operations for PySyft, the deep learning and homomorphic encryption library of Openmined

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

2016 55 out of 1900+

2016 106/2900+ teams

2016 1st out of 250+ teams

Shaastra Algorithmic Coding contest 2017, IIT Madras

Battle of Bots #7 by HackerEarth

ACM ICPC 2017 India Online round

Ingenius Hackathon, conducted by PESIT, Bangalore