

# SHRAVAN MURALI

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## EDUCATION

### NIT TRICHY

B.TECH IN MECHANICAL ENGG.

May 2014 - present | Trichy, TN

Expected graduation : May 2018

Overall CGPA: 7.43

### 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 • Docker

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

### UI CODE GENERATION USING CONDITIONAL GAN

NIT TRICHY | JANUARY 2018 - PRESENT

supervisor : Dr. E. Sivasankar

Building a Conditional GAN (CGAN) framework to generate UI code from Snapshot. This framework is trained using policy gradients and it generates code that is accurate, natural and diverse

### AUTOMATED DRIVING ASSESSMENT

NIT TRICHY | AUGUST 2017 - PRESENT

supervisor : ES Gopi

Developing a machine learning model to assess the quality of a vehicle driver and give automated suggestions based on his/her driving skills

## PROJECTS

### SAFR | SEPTEMBER - DECEMBER 2016 (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

### 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 - NOVEMBER 2017

link : [https://github.com/openmined/](#)

Implemented unfold tensor operation for PySyft, the deep learning and homomorphic encryption library of Openmined. The unfold operation was implemented efficiently using Numpy. PySyft has more than 700 stars on Github

### DUCKDUCKGO | OCTOBER 2016 - JANUARY 2017

link : [github.com/duckduckgo/zeroclickinfo-fathead](#)

Implemented web scraping in Python to fetch the details of over 400 SQLAclhmy 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