

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: 7.47

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

IMAGE ENHANCEMENT USING REINFORCEMENT LEARNING

NIT TRICHY | OCTOBER 2017 - PRESENT

Instructor : S Deivalakshmi

Working on building a generic transformation function for image enhancement, using Deep Reinforcement Learning

AUTOMATED DRIVING ASSESSMENT

NIT TRICHY | AUGUST 2017 - PRESENT

Instructor : 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 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

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 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 500 stars on Github and was once featured in the Github trending repositories

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