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: 7.49

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
- Pattern recognition

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 SUMMER OF CODE | CERN - HSF
May 2018 – present

Working with CERN organization to build a Python package that facilitates running distributed jobs using data frames in ROOT library, with a simple and clean programming model

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

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 SQLAclehmy 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