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
- Scholar:// Shravan Murali
- 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)
- CS231n Convolutional Neural Networks (Stanford university)

SKILLS

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

EXPERIENCE

GOOGLE | Web Solutions Engineer
August 2018 – Present | Hyderabad, INDIA

Working with the Tools, Development and Automation team in gTech to enhance the customer support experience by building configurable work unit management tools leveraging Google's advanced production infrastructure and technologies

CERN HSF | Google Summer of Code Intern
May 2018 – August 2018

Worked 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

PUBLICATIONS

EURO-PAR 2019 | August 2019
link : https://bit.ly/2PQjEAj
Declarative Big Data Analysis for High-Energy Physics: TOTEM Use Case by Valentina et al.

IEEE/ACM UCC COMPANION | December 2018
link : https://ieeexplore.ieee.org/document/8605741
Big Data Tools and Cloud Services for High Energy Physics Analysis in TOTEM Experiment by Valentina et al.

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