

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

SKILLS

BIG DATA

FlumeJava • Apache Spark

APPLIED ML

Keras • Tensorflow • AutoML

WEB

Flask • Django • Apache
Docker • MySQL

PROGRAMMING

Over 10000 lines:

Java • Python

Over 1000 lines:

C++ • C • Javascript

Other:

Shell • PHP

version control :

Git • Mercurial

EXPERIENCE

GOOGLE | WEB SOLUTIONS ENGINEER

August 2018 – Present | Hyderabad, INDIA

Working with the Tools, Development and Automation team in gTech on a business facing quality platform that enables analysts to review **millions** of customer tickets **seamlessly**. The platform is configurable and also provides in-tool reporting served at **sub-second** latency. Moreover, the platform utilizes **machine learning** to accurately spot errors in customer tickets, which resulted in **saving > \$2M** for the company

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 **7000** 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

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