## **TOM SABU**

## Student, International Institute of Information Technology, Hyderabad

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in tomsabu005

## **EDUCATION**

M.Tech. - Computer Science & Engineering IIIT Hyderabad

## 2019 - 2021 (expected) CGPA: 9.2

B.Tech. - Computer Science & Engineering

School Of Engineering, CUSAT, Kochi

**2012 - 2016** 

**CGPA: 8.88** 

Intermediate

St. John's School, D.L.W., Varanasi

## 2012 Percentage: 94.10%

Matriculation

St. John's School, D.L.W., Varanasi

# 2010 Percentage: **92.10**%

## **EXPERIENCE**

#### Software Consultant

#### **Unisys India**

## July, 2016 - June, 2018

P Bengaluru, India

- Developed a Windows application for the client to enhance the record retrieval process using .Net framework.
- Automated the storage of backup, recovery and log files using PowerShell.
- Provided Application Support for the resolution of application and system issues.

## **SKILLS**

- Programming Languages and Tools
   C, C++, Python, MySQL
- Platforms
   Linux, Windows

## **COURSEWORK**

- Advanced Problem Solving
- Real Time Systems
- Information Retrieval & Extraction
- Data Analytics
- Machine Learning
- Parallel Computing
- Operating Systems

## **PROJECTS**

### WikiSearch

- Created a complete search engine by creating an Inverted Index on the Wikipedia Corpus (of 2020 with size 42 GB), that gives you top search results related to the given query within
  - 5 seconds.
- Supports Field queries specific to category/title/infobox.
- Technologies used: Python

#### **CRAFTML - MultiLabel Classfication**

- A clustering based Ensemble method to classify data into multiple labels for EurLex4k dataset.
- Parallelization of the forests resulted in the faster execution by **3.5** times.
- Technologies used: C++.

#### **SimpleRA**

- A minimalist, integer-only, Relational Database Management System.
- RDBMS operations such as select, project, cross, rename were implemented for the data stored as pages from a csv file.
- Attribute sorting, hashing, aggregate operations have also been incorporated.
- Technologies used: C++

# GDriveFS: Mounting Google Drive as a Filesystem using FUSE

- Developed A user-space Python application that links against fusepy and maps the appropriate kernel calls to HTTP requests to Google Drive API and vice-versa.
- Technologies used: Python

#### **P2P File Sharing System**

- Made use of Socket Programming and Multithreading to build a file sharing system.
- User can download files from its peers after checking its status using a tracker which keeps track of shareable files and online status of neers
- Technologies used: C++.

#### TomShell: POSIX compatible Mini shell

- Implemented a subset of features of Linux
   Shell including basic shell operations such as directory operations, pipe and redirection.
- Logging of the past commands executed by the user was also maintained which would be accessible using history command.
- Technologies used: C++.