3902 College Main St. 979-985-8599

Apt. No. 803 https:/github.com/sourabhshenoy

Bryan, TX 77801 **SOURABH S. SHENOY** sourabhsshenoy@tamu.edu

# eDUCATION

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| --- | --- |
| TEXAS A&M UNIVERSITY, COLLEGE STATION (TAMU) | **CGPA: -** |
| Master of Science (MS), Computer Science | Fall 2016 – Fall 2018 (Expected) |
| VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), INDIA | **CGPA: 9.24/10** |
| Bachelor of Engineering (BE), Computer Science | 2012 –2016 |

# Internships / Mentorships / Work Experience**MICROSOFT MENTORSHIP, MTC** AUGUST 2014 – MARCH 2015

* Implemented various Buffer page replacement policies in PostgreSQL Database as proof of concept
* Gained knowledge on Clock Sweep, LRU, 2Q, MRU, Levenshtein Distance, Boyer Moore, Hashing, MVCC,

Deadlocks, Selectivity modules in Postgres

**INTERN, INFOSYS MANGALORE (Catch Them Young 2009)** SUMMER 2010

* Developed a tool that allowed around 5000 Infosys Employees to book/cancel shuttles
* Technologies Used: **HTML5, CSS, JavaScript**, JQuery, MS Access, SQL, JSP

MAJOR PROJECTS**UTILITIES FOR PORTING TCP EVALUATION SUITE TO NS3**  FINAL YEAR PROJECT (2015)

* Developed modules to collect statistics from bottleneck links and plot graphs for the same
* Integrated Tmix and DelayBox modules into NS 3.24 and wrote Test suite and Example script
* Contributed to 2 Google Summer of Code (GSoC) projects. Language Used: **C++**

**ENHANCED STRING MATCHING ALGORITHM FOR HETEROGENOUS ARCHITECTURES** SUMMER 2015

* Work accepted for poster presentation at Student Research Symposium (SRS), co-located with IEEE

Conference on HiPC, 2015. API Used: **CUDA**

* Won IEEE TCPP award for “Best Poster”. Also received scholarship from HiPC to attend the conference

**SWIFT - An Optimized String Matching Algorithm for Nvidia GPU** SUMMER 2016

* Work accepted for full oral presentation at International Symposium on Parallel and Distributed

Computing, 2016, held in China. API Used: **CUDA**

* Obtained a performance benefit of 1.5-1.7X on average vs. regular GPU implementation.

* Received scholarship from TEQUIP program of World Bank to attend the conference

# Other

* Volunteered as English Teacher to teach underprivileged kids for a year at Make a Difference (MaD), an NGO, and won **Best English Teacher** and **Best Fundraiser** recognition
* Resource Person for Workshop on **CUDA** at Manipal Institute of Technology (MIT), India
* Grader for the graduate course on Software Engineering (CSCE 606) at TAMU, College Station