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## SOURABH S SHENOY

### EDUCATION

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#### BACHELOR OF ENGINEERING (BE) (COMPUTER SCIENCE)

CGPA: 9.20 (UPTO 7<sup>TH</sup> SEM)

NMAM Institute of Technology, Nitte (Expecting to graduate in May 2016)

#### CLASS XII – DEPARTMENT OF PU EDUCATION, KARNATAKA

94.5%

March 2012, Canara PU College, Mangalore -575001

#### CLASS X – KARNATAKA STATE BOARD

93.66%

March 2010, Canara High School, Urwa, Mangalore – 575003

### INTERNSHIPS / MENTORSHIPS / WORK EXPERIENCE

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#### MICROSOFT MENTORSHIP, MTC

AUGUST 2014 – CURRENT (2 YEARS)

- Working on adding “Backup to Azure” functionality to Postgres database
- Currently completed writing code to upload BLOBs to Azure Storage account using Microsoft C++ library for Azure Storage

#### SUMMER INTERN, NIT-K SURATHKAL

SUMMER 2014

- Simulated 6 RIPng Protocol Scenarios in NS3 and documented them
- Understood core Networking concepts and working of Open Source Systems

#### INTERN, INFOSYS MANGALORE (Catch Them Young 2009)

SUMMER 2010

- Developed “mInfy Travel Services”, a tool that allows Infosys Employees to book/cancel cabs
- Technologies Used: HTML5, CSS, JavaScript, JQuery, MS Access, SQL, JSP
- Project selected for demonstration on the valedictory day

#### ENGLISH TEACHING VOLUNTEER, MAKE A DIFFERENCE (NGO)

JUNE 2013 – APRIL 2014

- Taught English to underprivileged kids during weekends for a year
- Received “Best English Teacher” and “Best Fundraiser” recognition

## OTHER MAJOR PROJECTS

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### 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

### IMPLEMENTED STRING MATCHING ALGORITHM ON GPU USING CUDA

SUMMER 2015

- Implemented exact string matching algorithms using Dynamic Parallelism feature of Kepler GPU
- Work accepted for poster presentation at Student Research Symposium (SRS), co-located with IEEE Conference on HiPC, 2015
- Won IEEE TCPP award for “Best Poster”. Also received scholarship from HiPC to attend the conference

### POSTGRES ORDBMS

- Implemented various Buffer page replacement policies in PostgreSQL Database as proof of concept
- Gained knowledge on Clock Sweep, LRU, 2Q, MRU, Levenshtein Distance and Boyer Moore
- Went through Hashing, MVCC, Deadlocks, Selectivity modules in Postgres
- Mentored by guide at Microsoft Technology Centre, Bangalore

Microsoft Presentation, More detailed list of projects can be found at <https://github.com/sourabhshenoy>

## MAJOR ACHIEVEMENTS

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- Among 36 Students selected out of 400+ for 15 days “Catch Them Young” training at Infosys Mangalore
- Topper among ~900 students in Crack the Campus, a series of Aptitude tests conducted by the Placement department and the aptitude test conducted by Freshersworld.com at NMAMIT, Nitte
- Ranked among the top 100 in India in the Corporate Employability Assessment Test (CEAT), 2015
- Resource person for a workshop on using FreeScale KL25Z Microcontroller to program a car that can automatically manoeuvre a track
- Volunteering / Coordinating / Organizing Skills
  - Computing Systems Research National workshop held at NMAMIT
  - 15 days CCNA Training Program by Network Bulls – ACM, IIT DELHI
  - “The Entertainer” event in “Anandotsav”, a State level cultural fest
  - Web Casting Officer for the LOK SABHA Elections, 2014
  - Web Development head of Computer Society of India, Nitte Chapter; Various CSI events
  - Member of ACM, CSI and Institute of Engineers, India (IEI)
- Microsoft Technology Associate for HTML5 Application Development
- Won 1st prize in “Limca Book of Records” Quiz and got selected for National Level Semi Finals. Also participated and won in various other State and District level Quizzes, including Infosys Scholars Quiz