Shibin George

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EDUCATION

UMASS AMHERST
Amherst, MA
M.S. in Computer Science
Sep, 2019 - Dec, 2020 (Expected)

NIT WARANGAL
Warangal, India
B.Tech in Computer Science
August, 2011 - April, 2015
Cum. GPA: 8.48 / 10.0

COURSEWORK

GRADUATE
Information Retrieval
Natural Language Processing
Neural Networks

UNDERGRADUATE
Operating Systems + Practicum
Distributed Computing

SKILLS

PROGRAMMING
Over 5000 lines:
Java • C • C++ • Shell • Python
Over 1000 lines:
Matlab • Javascript

PUBLICATIONS

[1] Weighted finite automata based on local patterns for image authentication. IEEE International Conference on Semantic Computing, 2015. `http://dx.doi.org/10.1109/ICOSC.2015.7050797.`

[2] Content Based Image Retrieval on Hadoop Framework. IEEE International Congress on Big Data, 2015. `http://dx.doi.org/10.1109/BigDataCongress.2015.103.`

EXPERIENCE

QUALCOMM | Senior Software Engineer
Jun 2015 - July 2019 | Hyderabad, India

- Contributed bug-fixes to the Android Open Source Project, the official repository that hosts the Android OS. Take a look at my contributions **here**.
- Designed and implemented Over-The-Air (OTA) upgrade solutions for Linux Android platform. I was awarded a **Super Qualstar** (highest recognition for individual-contribution within Qualcomm) for my work on A/B OTA upgrade solution.
- Developing/maintaining **tools** that facilitate debugging (of memory (heap)-leaks and heap-corruptions)

QUALCOMM | Software Engineering Intern
May 2014 - July 2014 | Hyderabad, India

- Worked on an optimization designed for the Android composition engine (SurfaceFlinger) and built a prototype for the same.

RESEARCH

CORNELL ROBOT LEARNING LAB | Researcher
Jan 2014 – Jan 2015 | Ithaca, NY
Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments.

CORNELL PHONETICS LAB | Head Undergraduate Researcher
Mar 2012 – May 2013 | Ithaca, NY
Led the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research.

AWARDS

Year	Rank	Award
2014	top 52/2500	KPCB Engineering Fellow
2014	1st/50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7th/120	CS 3410 Cache Race Bot Tournament
2012	2nd/150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist