SHALIN SHAH

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EDUCATION

Degree of Examination Passed	Institute	CGPA/Percentage	Year of Passing
B.Tech. (ICT) (currently in 6th semester)	DA-IICT	8.50/10.0 (5 semesters)	2015
HSc (Gujarat State Board)	Doon International School, Ahmedabad	97% (99.76 percentile)	2011
SSc (Gujarat State Board)	Doon International School, Ahmedabad	92%	2009

COURSES

Completed : Data Structures & Algorithms, Computer Games, System Software, DBMS, Embedded Hardware, Computer Organization, Analog Circuits, Computer Networks.

Current : Web Data Management, Coding Theory, Computer Graphics, Operating Systems, Software Engineering.

PUBLICATIONS

Shalin Shah, Dixita Limbachiya, Manish K. Gupta : **DNACloud: A Potential Tool for storing Big Data on DNA**. CoRR abs/1310.69

TECHNOLOGIES AND TOOLS USED

Coding Skills: Python, C#, HTML5, CSS, Javascript, php, C++, JAVA, C

Assembly Languages: IA32, Intel 8085

Development Technologies & Tools known: LATEX, PostgreSQL, SQLite, Android Application Development using JAVA, Windows Phone/App Development using C#, Git-Hub, Panda3D, Arduino, cx_Freeze, GIMP.

EXPERIENCE

Served as **Teaching Assistant (T.A)** in the IEEE Summer school 2013 for the course of Android Application Development.

INTERNSHIPS

- Summer research Intern at Gupta Lab:

  Worked on DNA data storage technology, which could be the archival technology for the future. It's a cross-platform tool, written in Python language, which can convert a computer file to DNA string and then into Oligonucleotide(chunks) of smaller length, so that it can be stored on DNA. Similarly, a file can be retrieved from the Oligonucleotide, if provided.

- Rural Intern at Vatsalaya Mandir NGO:

  Helped in organizing 24th Children Welfare Conference, Oni along with other members of NGO. Studied the working of Gokul(orphanage).

PROJECTS

- Developed a game called Carnival – Madness using **PANDA3D game engine** and python, as a course project for Computer Games.
- Developed **Windows 8.1 Store App** called Impatho for **Microsoft Imagine Cup** – World Citizenship 2014.
- Developed a prototype of an embedded device to notify the user about his Facebook and Gmail account using Arduino Micro-controller and wrote a python script for the same - Fb-Gmail Notifier. (Team Size - 4)
- Worked with Open Source Organization called Open Intents helping them developing android applications OI Notepad and OI Flashlight.
- Worked with Prof. Prabhat Ranjan for developing application called E-Mukt for the disabled people with the help of Sunteknovations.
- (Ongoing) Working with a start-up company helping them develop android application called Pharmassist.
- Developed a tiny shell of my own which was a part of our System Software course. Also developed a explicit memory allocator as a part of this course. Codes are available on my git account.

ACHIEVEMENTS

- Poster presentation for the software DNACloud at the 11th Annual Conference on Foundations of NanoScience: Self-Assembled Architectures and Devices (FNANO14).
- Won **1st prize** in I-app in I-fest organized by IEEE student branch, for making an android application named I-job.
- Won **3rd price** in AppsDreamer which was a part of Synapse-13 for developing Windows 7 phone application called Dude!Where to Go? (Team Size - 2)
- Received an **AMUL Vidya Shree** award for stellar performance in 10th standard.
- Received an **AMUL Vidya Bhushan** award for stellar performance in 12th standard.

CO-CURRICULAR

- Successfully revived Radio club of college and served as head RJ for academice year 2013. Radio Club at DA-IICT also received the best club award this year for revamping RJ shows.
- Served as a Coordinator in IEEE student branch's I-app, I-Fest 2013 and Synapcity, Synapse 2012(Gujarat's Largest Techno-Cultural Festival).
- Bagged 1st price at GNLU's Pentagram and 2nd price at Synapse's Footlose under the category of group dance.

REFERENCES

Professor Manish K. Gupta

EMAIL: MANKG@COMPUTER.ORG

WEBPAGE: HTTP://WWW.MANKG.COM

LAB: HTTP://WWW.GUPTALAB.ORG

* All the codes can found on my github account. Some of the repositories cannot be shown due to confidentiality issues of the company or proprietor.