

EMPLOYMENT

Software Engineer	Samsung R&D Institute Bangalore	June 2014
Tizen Platform team (Enlightenment Foundation Library (EFL) team)		
<ul style="list-style-type: none">• Maintainer of naviframe, progress bar widgets (EFL based).• Published an "Indian Railway Enquiry" using Erail's API,HTML5,Jquery and CSS to Tizen APP Store . full source code at https://github.com/nabster11/indian-railway-enquiry• Implemented prototype User Interfaces (in EFL): - Round shaped app launcher screen for Samsung gear, prototype lock screen with ambient lightning, simulation of button with rubber surface effect.• Gerrit patches to various EFL modules: - eina, ecore, edge, evas ,elementary.		

EDUCATION

National Institute of Technology (NIT SURAT)	2010 -2014
<ul style="list-style-type: none">• B.Tech in Computer Engineering with CGPA: 8.07.	
Best Higher Secondary School, Ahmedabad	2010
<ul style="list-style-type: none">• GHSEB, Percentage: 78%	
Nelson High School, Ahmedabad	2008
<ul style="list-style-type: none">• GSEB, Percentage: 89%	

TECHNICAL EXPERIENCE

Projects

<ul style="list-style-type: none">• Final Year Project (Dr. U.P Rao , NIT SURAT)	2013-2014
Analysis and mitigation of Jelly Fish Attack (JF) on MANET (mobile ad-hoc network).	
Work done under 4 phases:-	
<ol style="list-style-type: none">1. Studied the impact of different Attacks on MANET, and selected JF Attack.2. Successfully simulated MANET with/without jellyfish attack using NS-3 against AODV routing protocol.3. Proposed an algorithm for mitigating the JF Attack which uses TM(throughput module) to monitor the TCP goodput of a route after it has been built and if any abnormalities are observed in the route, the RR (Route Rebuilding) module is invoked to find a new route.4. Performed Simulations based on the Modified-AODV protocol.	
<ul style="list-style-type: none">• HPC Implementation on CLOUD (Internship)	June 2013- July 2013
Explored parallel programming API including OPENMP, MPI and their applications in multi-core processing. Implemented a MULTI-NODE HADOOP cluster for executing MAP-REDUCE JOBS and explored applications Based on MAP-REDUCE programming model.	
<ul style="list-style-type: none">• Image/Comic Reader (Web App)	Nov 2013
Designed an App for browsing Images/Comics using PHP and MySQL. Designed it's database schema from Scratch, full source code at https://github.com/nabster11/Manga-Reader .	
<ul style="list-style-type: none">• Synorm (Chrome Extension)	Ongoing
Substitute suggested words in your text with their synonyms using wordnik's JS API , a feature for some Online text editors. Full source code at https://github.com/nabster11/Synorm .	

ADDITIONAL EXPERIENCE AND AWARDS

<ul style="list-style-type: none">• Positions held
<ul style="list-style-type: none">• Lead Web Dev.: Designed www.mindbend.in (2013), Mind-Bend is the annual Technical Festival of NIT, Surat. Developed and managed database for the same, worked in a team of 3 members.• Web Developer at ACM Student Chapter in NIT SURAT (2012).• Web Developer at IETE Student Chapter in NIT SURAT (2013).

SKILLS AND HOBBIES

- **Languages:** C++, C, Python, HTML5, CSS, JavaScript, SQL, PHP, EDC.
- **Operating Systems:** Linux, Windows.
- **Areas of Interest:** Web Technologies, Computer Security, Data Structure and Algorithms, Mathematical problems, Computer Networks.
- **Hobbies:** Exploring linux distros, PC gaming, watching anime, movies, Listening Music.

PERSONAL INFORMATION

- **Languages Known:** English, Hindi and Gujarati.
- **Date of Birth:** 23-02-1993
- **Nationality:** Indian
- **Gender:** MALE