Ishmeet Singh

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EDUCATION

University of Maryland   College Park, MD
MS, Telecommunications Engineering – 3.76 GPA   Expected May, 2018

ITM University   Gurgaon, India
B.Tech, Electronics and Communications – 3.7 GPA   May, 2015

EXPERIENCE

Compro Technologies   New Delhi, India
Associate Software Testing Engineer   Feb 2016 – July 2016
- Independently did the functional validation of GradeIT and PCT applications
- Coordinated with the development team regarding bug fixes and smooth delivery of project content to client
- Configured new projects in MB Unit for regression testing

Aircel Ltd.   New Delhi, India
Intern   May 2014 – July 2014
- Studied the GSM network in detail and attained practical knowledge by visiting a MSC site
- Assisted Senior Personnel to resolve issues like call drop, call muting, network registration failure, etc.

Siemens Ltd.   Gurgaon, India
Intern   June 2013 – July 2013
- Analyzed non-conformance costs from data of various plants across the nation and published report
- Collaborated with various departments to perform the root cause analysis of the issues

ACADEMIC PROJECTS

Edge Detection in images using MATLAB   Aug 2014 – May 2015
- Developed algorithm in MATLAB to identify discontinuities in a surface
- Designed a GUI to serve functions like open, save, clear, close, et al.

Carry-skip adder using Cadence   Aug 2014 – Dec 2014
- Performed transient analysis using **Virtuouso** to make a quantitative and qualitative comparison between various adders
- Published a research paper in the [International Journal of VLSI System Design and Communication Systems (IJVDCS)](#)

Low power techniques in VLSI using Cadence   Aug 2014 – Dec 2014
- Computed the transient analysis on **Virtuouso** after implementing techniques like stacking and MTCMOS to reduce leakage power in a CMOS circuit

Clap counter using 8051 micro controller   Dec 2013 – May 2014
- Integrated a sound sensor with AT89C51 and a LCD module which increased the count by 1 every time some sound was produced
- Verified the code on Keil μvision and the circuit on ISIS Proteus 7 before implementing the circuit on PCB board

SKILLS

Programming Skills: C, Python

Protocols Known: RIP, RIP V2, OSPF, BGP, IGRP, EIGRP

Framework: MBUnit

Database: SQL Server 2008

Applications: Microsoft Word, Excel, Access, PowerPoint, Keil, Virtuoso

ACTIVITIES

Subah   May 2014 – May 2016
- Worked with local NGO on projects focused on health and poverty

Data Compilation Team   Oct 2012
- Formulated and shared the results of various events in annual university cultural fest with the jury

Global Young Leaders Conference (GYLC)   June 2009
- Participated in Model UN in Washington DC and New York, representing Russian Federation