

Niket Gupta

Curriculum Vitae

4th year Undergraduate Student,
IIIT Allahabad-211012, India
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Objective

To achieve professional satisfaction, personal development and rewarding high technological career and to establish a long term relationship with a challenging startup.

Education

- 2011–2014 **Bachelor Of Technology in Electronics and Communication, Indian Institute of**
(ongoing) *Information Technology, Allahabad, CGPA – 8.75 (Till Date).*
- 2010–2011 **Senior Secondary – CBSE,**
BCM Senior Secondary School, Ludhiana, 90.4%.
- 2008–2009 **Secondary –ICSE,**
Sacred Heart Convent School, Ludhiana, 90.6%.

Interests

- Algorithm And Data Structure
- Operating System
- Networking
- Digital Design

Project

- **Floorplanning of SOC's on 28nm technology (Undergoing)**
Project Guide: Mr Dinesh Velan
Project Brief: I am learning Floorplanning of SoC's at **Qualcomm Bangalore Design Centre**. Currently I am working on the live project going on in the company and getting hands on knowledge of all the industry standard tools used for implementation of the VLSI design on different process nodes (28nm and 14nm).
- **Digital Circuit Recognition Using Image Processing**
Project Guide: Nitesh Purohit
Project Brief : We implemented a system which process an image of digital circuit and generates a Verilog code for that circuit using the algorithms of Image Processing, We used **MATLAB** as a processing tool for our project.

- **Implementation of Floating Point Arithmetic Unit on FPGA**

Project Guide: Dr Manish Goswami

Project Brief: We implemented a floating point unit (addition, Subtraction and multiplication) using Verilog as HDL Language, we simulated our code using Xilinx Ise tool.

- **Implementation of Voltmeter and Regulated DC Power Supply**

Project Guide: Ram Kishore Aggarwal

Project Brief : Using LM3914 Dot Bar Display Driver, we implemented the circuit which displays the measured voltage using LEDs which operates in dot mode. Using 7805 Voltage Regulator we implemented a power supply which provides us a constant Voltage of 5V and current up to 5Amp from 220V AC.

- **Android App**

Project Brief: I developed a **torch utility** android app in third semester with multiple functions.

- **Tic Tac Toe**

Project Brief: I implemented Tic Tac Toe in **C** in **Second Semester** which can be played at various difficulty levels (Beginner, Intermediate and Expert)

Achievements and Activities

- Merit Scholarship holder in 4th semester for acquiring second rank in batch.
- Topped the admission test conducted by SUPER 30 in a total of 4 states in year 2010.
- Co-Founded a food ordering portal www.Hungerbite.com in 5th semester and managing it since then.
- Qualified and Selected among the top 1 % of the candidates who appeared for IIT JEE 2011.
- Qualified and Selected among the top 1.1% of the candidates who appeared for AIEEE 2011.
- Attended a 5 day “Workshop on Antenna and RF design” organized by IIIT Allahabad and IEEE (UP Section)

Technical Skills and Experience

Languages Known : C, Basic C++, Verilog HDL, Basic Android, TCL

Operating Systems : Windows, Linux, Android Platform

Software used : Cisco Packet Tracer, Wireshark, Matlab adobe Photoshop, Google Analytics, Multisim, Ultiboard, Serif Page Plus, Xilinx ISE, Synopsis PrimeTime, Cadence EDI, Android Studio.

Personal Information

Name : Niket Gupta
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Date of Birth : August 24, 1993
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I hereby certify that all the information provided above is true to the best of my knowledge and belief.

Niket Gupta