



# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

P.O SRINIVASNAGAR, MANGALORE-575025

Placements 2009-10

AAYUSH SAXENA

B.TECH

Branch : COMPUTER SCIENCE

Gender : MALE

Reg. No. : 06CO02

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C.G.P.A. : 9.14

PRESENT ADDRESS	PERMANENT ADDRESS
ROOM B306, MEGA BLOCK, NITK HOSTELS, NITK SURATHKAL, SRINIVASNAGAR-575025, MANGALORE, KARNATAKA.	53, INDIRANAGAR COLONY, NEAR ASIAN SCHOOL, DEHRADUN-248006, UTTARAKHAND.

## B.TECH DETAILS

SEMESTER	YEAR	S.G.P.A	C.G.P.A
SEMESTER 1	DEC 2006	9.64	9.64
SEMESTER 2	MAY 2007	9	9.35
SEMESTER 3	DEC 2007	8.91	9.21
SEMESTER 4	MAY 2008	9.08	9.18
SEMESTER 5	DEC 2008	8.84	9.11
SEMESTER 6	MAY 2009	9.28	9.14

## PRE DEGREE, 10+2th, 10th DETAILS

DISCIPLINE	INSTITUTION	UNIVERSITY /BOARD	YEAR	% MARKS
Xth	ST. JUDE SCHOOL	ICSE	2004	90
XIIth	KENDRIYA VIDYALAYA FOREST RESEARCH INSTITUTE	CBSE	2006	88

# SUPPLEMENTARY INFORMATION

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## EXTRA CURRICULAR ACTIVITIES

- 1) Worked as the Student Coordinator for College website development.
- 2) Member of Organising Committee of Simplineer, an event in Engineer 2009, Annual technical symposium of NITK.
- 3) Received Certificate of Merit by Institute of Engineers (IE) and second topper of batch in 2006-07.
- 4) Executive member of Web Club of NIT Karnataka.
- 5) Secured All India Rank 3108 in the IIT-Joint Entrance Examination, 2007 (Top 1% out of a total of 311,258 students across India)
- 6) Secured AIR-1238 and State Rank-15 in All India Engineering Entrance Examination (AIEEE) 2006.
- 7) Termed North India topper with AIR 69 in NSTSE in 2004-05 organized by Unified Council.
- 8) Qualified for the National level Chemistry Olympiad in 2005-06.
- 9) Rated among the top 10% students in Physics Olympiad 2005-06.

## ABOUT MYSELF

I am inquisitive, optimistic and industrious. I have a keen interest in learning new things. Being an extrovert, i interact well with people and believe in team work. I believe in intellect and planning things before proceeding with them. I set goals for myself and i work arduously, with strong determination, to achieve them. I am an ardent believer of "Work is Worship".

## CO-CURRICULAR ACTIVITIES

- 1) Clicker Response Systems (03 May 09- 03 July 09)

I worked on this project in IIT Bombay under 'IIT Bombay's Summer Fellowship and Internship Program'. The project was to design an affordable solution to the present Clicker hardware available in the market. I worked over the establishment of RF communication between the transceiver of the hardware and code for the functioning of keypad and Real time clock (RTC) of the hardware.

- 2) College Website development (6th Semester)

The project was to redesign the college website using Joomla as the content management system and php for accessing underlying database.

- 3) Generic Steganograph (6th Semester)

This project was taken up as lab project in Software Engineering. This project involved working on algorithms of Steganography. I worked upon Image and Audio Steganography. For image, LSB Encoding algorithm was used and for Audio, I used Huffman encoding with modification for compression and encrypting data in it.

- 4) Industrial Training in HCL Infosystems, Noida

I did an industrial training in HCL Infosystems, Noida over memory and storage solutions from 10th November, 2008 to 9th December, 2008.

- 5) Airline Reservation System ( 5th Semester)

This project was taken up as a lab project in Database Systems lab course under Mr. B.R. Chandavarkar. It involved developing a J2EE based Web Application using JSP, Beans, HTML,

## CO-CURRICULAR ACTIVITIES

CSS for front-end and MySQL database server for back-end.

### 6) Computer Graphics and Mathematics (Summer 2008)

Topic: 2x2

This project was taken up in summer 2008 under the guidance of Prof. Tim Poston at NIAS, IISc Bangalore. It aimed at developing a website using Java applets as major component to describe the concepts of linear algebra and geometry linked up with 2by2 matrix.

### 7) Content Based Zooming (Summer 2008)

Topic: Jooming

This project was undertaken in summer 2008 under the guidance of Prof. Tim Poston at NIAS, IISc Bangalore. It aimed at developing a text editor in Python, involving language processing, which zooms in and out of document on the basis of content.

### 8) Conducted Workshop on Cyber Security

Sub – topic: Keyloggers

This workshop was organized for staff and students of Department of Computer Engineering on 14th October, 2008. The workshop was to spread awareness about cyber crimes by demonstrating the ways in which cyber crimes are committed and measures to be taken to prevent such attacks and how to trace them.

### 9) Conducted Workshop on Web designing

Sub – topic: CSS

This workshop was organized for all NITK students by members of Web Club on dates 14th to 18th January, 2008. I, being a part of Web Club, headed the CSS workshop. This workshop was to acquaint people with the basics of CSS and to let them create a proper Website of their own.

## REFERENCE 1 :

Prof. Tim Poston  
Mathematical Modeling Unit  
NIAS, IISc Bangalore.  
Phone: 9845756420  
E-mail: tim.poston@gmail.com

## REFERENCE 2 :

Mr. Vinay Kumar,  
HOD Department of Computer Engineering,  
National Institute of Technology Karnataka Surathkal.  
Phone: 9845412150  
E-mail: vinay@nitk.ac.in