

PERSONAL INFORMATION:

Name: Sudhanshu Dwivedi
 Age: 21
 Email: sudhanshu_dwivedi@daiict.ac.in
 Alternate Email: sudhanshu.dwivedi.daiict@gmail.com
 Mobile: +91-9925840290
 Contact Address: C-218, Men's Hall of Residence, DAIICT, Near Indroda Circle, Gandhinagar, Gujarat – 382007.



EDUCATION:

Degree	Institute	Year	CPI / Percentage
B-Tech (ICT)	DA-IICT, Gandhinagar	2006 – 2010 (3 rd Year)	7.08/10(Till 5 th sem)
Class XII	Don Bosco School, Delhi	2004-2005	92.8%
Class X	Don Bosco School, Delhi.	2002-2003	86.4%

SKILLS:

Programming Languages: *Structured / Object oriented:* C, C++, Java
Database related: SQL
Web Design: HTML
Assembly Level Programming: LC3
Operating Systems: Linux / Unix, Microsoft Windows (XP / 95/98/2000)
Tools: Eclipse, Logisim, Microsoft Office, Open Office, JCreator, mySQL, Xilinx, Scilab

COURSES TAKEN (Till 6th Semester):

IT related: Database Management System, Data Structures and Algorithms, Object Oriented Programming, Computer Organisation and Programming, Computer Skills, Systems Software, Computer Networks, Information Design Systems and Architecture, Introduction to Algorithms, Operating Systems, Security Protocols, Distributed Computing, Software Engineering.

Electronics and Communication: Signals and Systems, Basic Electronic Circuits, Digital Hardware Design, Basic Telecommunication, Embedded Hardware Design, Analog and Digital Communication, Analog Circuits,

Science and Mathematics: Probability and Information Theory, Introduction to Discrete Mathematics, Calculus and Complex Variables, Algebraic Structures, Environmental Studies, Electromagnetic Theory, Introduction to Nanoscience and Technology.

Humanities: Science Technology and Society, Introduction to Business and Finance, Principle of Economics, Communication Skills, Approaches to Indian Society, Individual Seminar, Indian Writing in English.

PROJECTS

Project 1: *XTile : An Error-Correction Package for DNA Self-Assembly*
 Status: *Completed*
 Mentor: *Professor Manish Gupta*

- Development of a web based applet and a downloadable package with advanced functionality, providing GUI for automated generation of standard files (used

for DNA self-assembly simulation using Xgrow simulator, by Erik Winfree, Caltech) and application of standard error-correction techniques. This research project aims at developing user interface based support features for algorithmic self-assembly.

- Team Size: 4

Project 2:

Event Management System

Status:

Ongoing

Mentor:

Professor Rakesh Shukla

- A web based solution that caters to effective provision of ordering events by remotely located clients and enhanced management of the ordered events by an Event Manager by providing features that guarantee economic and planning transparency and offer time based reminders to both the parties.
- Team Size: 5.

Project 3:

Employee Training Management System

Status:

Completed

Mentor:

Professor Minal Bhise

- A complete analysis of the needs and working of a real world Employee Training Management System. Also usage of database technology to execute some real world information seeking scenarios in an Employee Training Management System.
- Language/Tools used: SQL, mySQL
- Team Size: 2.

Project 4:

Machine Plant Simulation

Status:

Completed

Mentor:

Professor Sanjay Chaudhary

- A simulation of a real world Machine plant with its various components like a web based solution that caters to effective provision of ordering events by remotely located clients and enhanced management of the ordered events by an event manager by providing features that guarantee economic and planning transparency and offer time based reminders to both the parties.
- Language used: C
- Team Size: 2

PUBLICATIONS

Title:

“XTile: An Error-Correction Package for DNA Self-Assembly” to appear in proceedings of **6th Annual Conference on Foundations of Nanoscience (FNANO 09)**,

Salt Lake City, Utah, USA (20th – 24th April 2009)

Authors:

Anshul Chaurasia, **Sudhanshu Dwivedi**, Prateek Jain and Manish K. Gupta.

Mentor:

Professor Manish Gupta

INTERNSHIP:

Rural Internship:

Social Work and Research Centre (SWRC), Village Tilonia, Rajasthan

Mentor:

Professor Ganesh Devy

- Undergone a **4 week** internship in village Tilonia in Rajasthan. Learnt about the

various problems faced by the people living in the villages and tried to find solutions by using the knowledge of ICT.

ACHIEVEMENTS:

- Selected in CBSE merit list for scholarship for undergraduate studies..
- Won 1st position in ‘Rhubarb’, Synapse 2009, a debate-extempore competition in annual college tech-fest.
- Won 2nd position in ‘Excogitate’, Synapse 2009, a model making competition based on boolean logic in annual college tech-fest.
- Won 2nd position in ‘Vista’, Synapse 2008, a movie making competition in annual college tech-fest.
- Qualified for the City finals ‘Tycoons 2008-The Great Leadership Hunt’ to represent Gandhinagar.
- Served as the Event Head of the event Imagineer, Synapse 2009 in annual college tech-fest.
- Wrote for the college and school magazine.
- Served as the Radio Jockey for the college radio.
- Served as a member of the college theater group and took part in three plays.
- Qualified for the quarter finals of Intra-College Table Tennis Tournament-2007

Declaration: The above information is correct to the best of my knowledge.

Sudhanshu Dwivedi

Dated: 19 February 2009