ANSHUL CHAURASIA

CONTACT INFORMATION

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WORK INTERESTS

Algorithmic Self-Assembly, Graphics Design and Animation, Human Computer Interaction, Web Services.

EDUCATION

B.Tech(Information and Communication Technology), DAIICT, 2010 **GPA: 6.8/10.00** (till Vth semester)

XII(ICSE), City Montessori School,Gomtinagar, Lucknow (U.P.), 2005 **90.5%**

X(ICSE), City Montessori School,Gomtinagar, Lucknow (U.P.), 2003 **95.0%**

SKILLS

Programming Languages: C, C++, Java, Python, Verilog (HDL), Assembly Language.
Markup and Query Languages: SQL, HTML, JSP
Operating Systems: Microsoft Windows 9x/XP, Linux, MAC OSX
Tools: Adobe Photoshop CS2, Macromedia Dreamweaver 8, PSpice 9.1, Scilab 3.1, Adobe Flash 8, Adobe Illustrator CS2, Corel Draw X3, Microsoft Visio, Google Sketchup.

PUBLICATIONS

Anshul Chaurasia, Sudhanshu Dwivedi, Prateek Jain and Manish K. Gupta-***"XTile: An Error-Correction Package for DNA Self-Assembly"*** to appear in proceedings of 6th Annual Conference on Foundations of Nanoscience (FNANO 09): Self-Assembled Architectures and Devices, Salt Lake City, Utah, U.S.A., 20th-24th April 2009, 5 pages.

Anshul Chaurasia - ***"Prisoners in Teleporters"*** a science fiction themed short story in Science Reporter (a popular national monthly science magazine published by NISCAIR), pg 44-47, February 2005 edition.

INTERNSHIPS

SABLA, Raebareily, Uttar Pradesh, INDIA
Rural Internship [December '07]
It involved experiencing and analyzing the life of rural India specially in relation to areas affecting rural women, their problems and concerns so as to devise improvement in their standards of life through implementation of Information and Communication Technology.

ELECTIVE COURSES

Operating Systems, Introduction to Nanoscience and Technology, Computer Graphics, Dynamics of Animation, Introduction to Algorithms, Information Design, Systems and Architecture, Indian Writing in English

RESEARCH

XTile : [Mentor: Prof. Manish Gupta]
An Error-Correction Package for DNA Self-Assembly **[** March '08- January '09]
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.
(http://www.guptalab.org/xtile)

MILLEE: [Mentor: Prof. Matthew Kam]
Mobile Immersive Learning for Literacy in Emerging Economies **[** November '08- present]
MILLEE is a research initiative of TIER (Technology and Infrastructure for Emerging Regions) Group undertaken by University of California, Berkeley. This research project aims to enhance access to literacy among children of school-going age in the developing world by

develop games on cell-phones which facilitate English learning in the target group of children between ages 6-14. I am responsible for content development for these games to facilitate their deployment.
(http://www.cs.berkeley.edu/~mattkam/millee/index.html)

PROJECTS

Event Management System [January '09 – present]
Software Engineering project Team Size: 5
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.

Virtual Classroom System [August-November '08]
Database Management Systems project Team Size: 2
A database centric virtual implementation of a classroom by managing various attributes and fields for potential users like faculty, students and administrators which exhaustively categorized the services provided on the basis of level of privileges of the users.
Tools used : Microsoft Visio, mySQL, JSP.

Stock Market Simulation **[** March -April '08]
Systems Software project Team Size: 2
The aim of the project, the simulation that is, to provide a real life based experience of the functioning of the stock market, the concept of share trading, and the effective management and handling of data and statistics throughout the ongoing simulation runtime.
Development platform used: C language on Linux platform.

3D modelling simulation for Google Earth [May – June '08]
undertaken under Google Model your Campus competition '08 Team Size: 3
A collection of accurate 3D scaled models of architectural structures in the DA-IICT campus were developed and integrated with web based Google Earth service to enable an actual 3D simulation of the entire college online.

PERSONAL ACHIEVEMENTS

Secured an **all India 8th rank** in ICSE Xth board merit list.
Moderator, DA-IICT Theater Group - presently having 210 registered members.
Event Co-ordinator in Abhivyakti – a national level Theatre Festival, DA-IICT, 2nd February, 2009.
Webmaster of DA-IICT Theater Group website, for academic year 2008-09.
First prize in Dramatics Nite 2008 - an annual inter college event.
Second prize in Dramatics Nite 2007 - an annual inter college event.
Third prize in Stage play theatrical event in Synapse 07 – annual college festival.
Member of Editorial board of college press club.
Third prize in annual science fiction competition 2005 by 'Science Reporter' magazine.
Second prize in Vista, a short movie making competition in annual college festival -Synapse 08
Second prize in Excogigate, a technical model presentation in annual college festival
Special prize for theme designing in Fashion show event in Synapse 07
Second prize for website development in the SAARC youth festival 2004,
Second prize in Non-technical assignments category for Analog Circuits Course, semester IV.

DECLARATION

I, Anshul Chaurasia, hereby declare that the above information is correct to the best of my knowledge.
Dated: 20th February, 2009.