KONCHADA SWAGAT vishnuec@iitr.ernet.in swagatata@gmail.com

PROFILE :

A student of Indian Institute of Technology Roorkee, presently in IV year(7th semester) of the Integrated Dual Degree course on Computer Science with specialization in Information Technology. Excellent programmer. Excellent group dynamics & communication skills in English and Beginner knowledge in French.

EDUCATION :

Institution	CGPA/Percentage	Place
IIT Roorkee	7.36	Roorkee
St.Patrick's Junior College	90.6%	Hyderabad
JMJ High School	89.1%	Kanchili

ACHIEVEMENTS :

Award	Awarding Entity	Year
AIR 994 out of 270,000 applicants	IIT JEE	2006
I prize – PREINSOMNIA	COGNIZANCE, IIT Roorkee	2009
III prize – INSOMNIA	COGNIZANCE, IIT Roorkee	2007
II prize – Group Discussion	SHRISHTI, IIT Roorkee	2007
I prize – Math Talent Test	Ramanujan Foundation	2004
Best Volunteer Award	NSS – IIT Roorkee	2007

RELEVANT COURSES :

Unix Network Programming	Computer Systems & Programming(C++)
Computer Networks	Data Structures in C++
Artificial Intelligence	Algorithm Design and Analysis
Compiler Design Principles	Theory of Computation
Database Management Systems	System Software and Assembly Language

SKILLS & INTERESTS :

C, C++, Java, Unix Networking C-API, 8086 Assembly, MySql, Matlab, Prolog.

HTML, XML, Dreamweaver, Eclipse, Netbeans.

PROJECTS :

Leanring Management System(MHRD) : LMS is a Ministry of Human Resource Development(MHRD) sponsored project, to be used all over India. I worked in the system design, algorithm design and implementation of the Time-table Generation Module of the LMS. Time-table Generation is an NP-Hard problem. It was solved using an evolutionary technique and heuristics.

Faculty Online(IITR Intranet) : As a member of IMG, I worked on Faculty Online, an application for the management of Faculty Data in IIT Roorkee. I used Java Struts framework, Psql Database.

SIC Assembler : Developed an SIC Assembler in C++, as a part of the course System Software.

Genetic Algorithm : Developed and implemented Genetic Algorithms for problems like "Rat in a Maze", "8 queens", "Magic Squares", etc., as a part of Artificial Intelligence course.

EXTRA-CURRICULM :

- ❖ Secretary, Health & Environment Cell 2008-0**9 :** Organized the biggest ever NSS-Blood Donation camp 2008, on 27th september 2008.
- ❖ Member, Information Management Group 2007-08 : Participated in Developing and Managing Intranet Applications.
- ❖ Member, Cultural Council, IIT Roorkee since 2008: Gave live performance at the annual music festival, Pehla Nasha.
- ❖ Diplôme D'études en Langue Française DELF A1 : Note Finale 91,00/100.

REFERENCES :

Dr. Padam Kumar,
Head Institute Computer Centre,
IIT Roorkee.
padamfec@iitr.ernet.in

Dr. Manoj Mishra,
Professor, Dept of Computers,
IIT Roorkee
manojfec@iitr.ernet.in