Sumit Goswami

Curriculum Vitae

B-303, LLR Hall of residence
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Education

2012–2016	**B.Tech(H) Computer Science and Engineering**, *Indian Institute of Technology*, Kharagpur. CGPA:8.90/10.00
2009–2011	**Board of High School and Intermediate Education, Uttar Pradesh**, *Bal Bharti Inter College*, Orai. Aggregate Score:83.2%
2005–2009	**Board of High School and Intermediate Education, Uttar Pradesh**, *Saraswati Vidya Mandir Inter College*, Orai. Aggregate Score:75.83%

Projects

Title	*Transportation Analytics: Driver Behaviour Profiling* (June-July 2014)
Supervisors	Professor Sudeshna Sarkar & Research Scholar Russel Aziz
Description	Project was divided in four parts- Road segmentation, Hot Spot Detection, Web Portal and the part I worked on was Driver Behaviour Profiling.We had five year data (GPS data and TRIP data) provided by Etrans. We worked on this data and extracted Deliverance Delay, Average speed of all trucks in time of the day, Average Stoppage Duration in each time slot, Percentage Stoppage in each month and Frequency of moving trucks in each time slot like features so in future work we can use Different Machine Learning algorithms to plan a optimal trip by using these features and information from other three parts.

Title	*BookShop Automation Software* (March-April 2014)
Supervisors	Professor Partha Pratim Das & Professor Rajib Mall
Description	This project was the part of Software Engineering course. I worked in a team of two and Developed a GUI using Java & Java DB database to automate all operations of a small bookshop like querying for a book, placing orders, buying books, updating stock, viewing and printing statistics of the sales done in a period of time,different accounts for different users like customers, workers, manager and owner.

Link for repository- https://bitbucket.org/prudhvid/bas-final/src

Title	*Automated Mosaicing Of Torn Paper Documents*	*(March-April 2014)*
Supervisors	Inter-Hall Opensoft (Software Making) Competition	
Description	I was a part of the GOLD winning Opensoft team of my hall of residence. I was part of the DOCUMENTATION TEAM of four members. We made the Software Requirements Specifications (SRS), Structured Analysis/Structured Design (SA/SD), Data Flow Diagrams (DFD) and UML Diagrams.	

Scholastic Achievements

2012	Secured All India Rank 419 in IIT-JEE 2012
2012	Selected as top 1% out of more than 1 million applicants in AIEEE 2012
2012	Secured Rank 454 in UPSEE 2012 conducted by Gautam Buddha Technical University

Computer skills

Advanced	C, C++
Intermediate	JAVA, PYTHON, Linux, Microsoft Windows, Netbeans IDE
Basic	GIT, LaTeX, Java DB, HTML, CSS, OPENCV, ROS, Qt

Relevant Courses Taken

- Programming and Data Structures
- Algorithms-I
- Discrete Mathematics
- Formal Languages and Automata Theory
- Switching Circuits and Logic Design
- Software Engineering
- Computer Organisation and Architecture*
- Compilers*
- Switching Circuits and Logic Design
- Matrix Algebra*
- Algorithms-II*

- courses marked * to be completed by Dec'14

Extra Curricular Activities

- Part of Inter-Hall Gold winning Opensoft Team of LLR Hall of Residence
- Part of Autonomous Under water Vehicle Team, IIT Kharagpur
- Part of Hindi Elocution and Dramatics team LLR Hall of Residence
- Part of National Sports Organisation (NSO) for two consecutive years (2012-2014)