

AUROSISH MISHRA

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ACADEMIC RECORD

DEGREE	INSTITUTION	PERFORMANCE	DISTINCTIONS
5-Year Dual Degree (2006 – present)	Department of Computer Science and Engineering, IIT Kharagpur	C.G.P.A : 9.57/10	♦ Ranked 1st in the Institute among all 5 th Year students
CHSE (XII th Board Examinations), Orissa, 2006	B.J.B. Junior College, Bhubaneswar	Aggregate : 92.4 %	♦ Ranked 3rd in the state of Orissa
ICSE (X th Board Examinations) , 2004	Stewart School, Bhubaneswar	Aggregate : 95.7 %	♦ Ranked 3rd in the school among 214 students

ACADEMIC DISTINCTIONS

Scholarships	<ul style="list-style-type: none">♦ Awarded the Summer Research Fellowship by the Indian Academy of Sciences, Bangalore, 2008♦ Awarded the National Talent Search Scholarship by NCERT, 2004 (1st in State Level Qualifiers)♦ Received the Council of Higher Secondary Education Scholarship, Orissa, 2006 (3rd in the State)
Co-Curricular Achievements	<ul style="list-style-type: none">♦ Gold Medal, Inter-Hall Hardware Modelling (Technology General Championship, 2008)♦ Selected as the Best Fresher, Technology Events, Rajendra Prasad Hall of Residence, 2008♦ Silver Medal, Orissa State Chemistry Olympiad, 2005 (Attended the Winter Training Camp)♦ Secured National Rank 60 in the 4th National Cyber Olympiad, 2003♦ Selected in the National Chemistry Olympiad and Indian Astronomy Olympiad, 2005
Publication	<ul style="list-style-type: none">♦ “A Novel Approach to Swarm-Bot Architecture”, In International Asia Conference on Informatics in Control, Automation and Robotics (IEEE Computer Society), Bangkok, 2009

ACADEMIC PROJECTS

B.Tech Project Sponsor: General Motors (July '09 – May'10)	Project Title: Fault Tolerant Analysis of Automotive Systems <ul style="list-style-type: none">♦ Performed characterization of components of an automotive system using multiple test-cases♦ Captured the behaviour of the components in look-up tables (LUTs)♦ Simulated the entire system to obtain counter-examples that violate fault-tolerance requirements
M.Tech Project Sponsor: Xerox Co. (July '10 – present)	Project Title: Analytics of Group Dynamics of Mobile Phone Users <ul style="list-style-type: none">♦ Designing a recommendation scheme for suggesting relevant events/products to a mobile user♦ Involves data-mining the social network of the person to create his/her profile♦ Designing a simulator to create social networks for testing the developed mining algorithms

SUMMER INTERNSHIPS

Simon Fraser University, Vancouver, Canada (May – July, 2010)	Project Title: Graph Colourings and Homomorphisms <ul style="list-style-type: none">♦ Developed the theory for solving Constraint Satisfaction Problems using graph homomorphisms♦ Useful for solving optimization problems in Statistical Physics and Computational Biology♦ Work has been submitted for publication
ETH, Zürich, Switzerland (May – July, 2009)	Project Title: Wireless Vertex Guards <ul style="list-style-type: none">♦ Worked on developing the theory for Wireless Localization using vertex guards only♦ Involves preventing wireless access to non-paying customers outside a cyber café♦ Obtained improved upper bounds on the number of vertex guards needed
IIT, Bombay (May – July, 2008)	Project Title: Smart Parking System <ul style="list-style-type: none">♦ Developed a user-friendly and adaptable parking system for multi-level parking lots♦ Implementation was done using Wireless Sensors and Crossbow Motes

POSITIONS OF RESPONSIBILITY

Captain , Tech. and Biz. Quiz, R.P. Hall	<ul style="list-style-type: none">♦ Set up the R.P. Hall Quiz Club (30 members) and ensured that it conducts regular practice sessions♦ Started the hall quiz blog, Quizito Ergo Sum, to encourage active participation
Member , Academic Advisory Committee	<ul style="list-style-type: none">♦ Discussed academic issues of the Department (regarding courses, internships) with batch-mates♦ Analysed the existing problems and presented relevant suggestions to the committee
Member, Problems Team , BITWISE	<ul style="list-style-type: none">♦ Designed the questions for Enigma, the online quiz of BITWISE 2010♦ Framed problems for the final round of the programming contest

EXTRA CURRICULAR ACHIEVEMENTS

National Level	<ul style="list-style-type: none">♦ Champions, Philately Quiz, Department of Posts and Telegraph, Govt. of India, 2003♦ Second Runners-up, Eastern India Physics Quiz (World Year of Physics), Kolkata, 2005♦ Ranked in the top 200 of the country in the National IT Aptitude Test, NIIT, 2005♦ Bronze Medal, Inter-hall General Quiz, IIT Kharagpur, 2008
State Level	<ul style="list-style-type: none">♦ Champions, Prof. Brahma Prakash Memorial Quiz, Indian Institute of Metals, Bhubaneswar, 2005♦ Runners-up, Tourism Quiz, Orissa Tourism Development Corporation, 2003♦ Gold Medal, Debate on Oil Conservation, Oil Conservation Fortnight, 2003♦ Recipient of Bharat Scouts and Guides Rajya Purashkar (Governor's certificate), 2003