

Tiyasa Mitra

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Indian Institute of Technology Kharagpur

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| ACADEMIC PROFILE | | | | |
|--|--|-----------------------------|---------|-------------|
| YEAR | DEGREE | INSTITUTE | SCORE | POSITION |
| 2007-Current | B.Tech(Hons) Instrumentation Engg | IIT Kharagpur | 8.64/10 | 4/20 |
| 2007 | Higher Secondary (WBCHSE) | Carmel High School, Kolkata | 82.6% | In top 0.2% |
| 2005 | Madhyamik (WBBSE) | Carmel High School, Kolkata | 88.75% | In top 0.2% |
| ACADEMIC ACHIEVEMENTS | | | | |
| <ul style="list-style-type: none">Awarded DAAD Scholarship by German Government for Working Internship in Science & Technology, 2009One of 31 candidates all over India to be accepted with scholarship for B.Stat(Hons) at Indian Statistical InstituteAwarded as Best Outgoing Student of Carmel High School, 2007One of 12 students in India to obtain Reynold’s Scholarship for Higher Secondary Education | | | | |
| INTERNSHIPS AND PROJECTS | | | | |
| 2010-2011: B.Tech Project | <ul style="list-style-type: none">Project topic: Design of active guide wire for catheterization using Shape Memory AlloyInnovative design problems addressed uniting two newly emergent research areasImplementation of designs overcoming practical constraints of time and resources | | | |
| May-June ‘10: Internship Universiti Sains Malaysia | <ul style="list-style-type: none">Development of algorithm for texture based segmentation of medical imagesMember of the team developing a soon to be launched commercial software EndeavorDevelopment of image viewing, classification and segmentation section of the softwareProject looks to revolutionize medical conferencing and diagnosis | | | |
| May-June ‘09: WISE scholar Universitat Rostock, Germany | <ul style="list-style-type: none">Simulation of Earth-orbiter-satellite communication system using MPIDirect bearing on Indian Chandrayaan Project in terms of communication schedulingExperience of working in a multinational project and contribution in joint publication | | | |
| Autumn Semester ‘09: Project Soft Computing Course | <ul style="list-style-type: none">Design of voice based security system using filter banks and neural networkSuccessful attempt at unifying emerging fields of biometrics and soft computingWork submitted for publication as IEEE students’ paper | | | |
| POSITIONS OF RESPONSIBILITY | | | | |
| Editor The Scholars’ Avenue 2010-2011 | <ul style="list-style-type: none">Deciding content for and editing the leading independent campus newsletterResponsible for official dealings with Institute administration and the GymkhanaIn charge of covering academic and administrative issues including faculty interviewsActive role in excusive coverage of Gymkhana elections and Fests | | | |
| Governor Spectra 2010-2011 | <ul style="list-style-type: none">Role in establishing Spectra as the fine arts and design society of IIT KharagpurOrganizing all fine arts events for Spring Fest and exhibition for Alumni MeetOrganizing workshops on Photography, Photoshop and Film MakingHead of Spectra Circle and Aesthetic Arts subgroups | | | |
| Captain Rangoli Team, Fine Arts Team 2010-2011 | <ul style="list-style-type: none">Head of theme and execution of Rangoli competition for SN Hall of Residence, 2010Led a team of 30 students and trained them for the eventFine Arts Team placed in top 3 for all fine arts events conducted | | | |
| Member of Student Cabinet Carmel High School | <ul style="list-style-type: none">In charge of inter-house games and annual programmeIn charge of programme for educating slum dwellers | | | |
| EXTRA CURRICULAR ACTIVITIES | | | | |
| Fine Arts | <ul style="list-style-type: none">7(+2) years diploma in painting from Rabindra Bharati UniversityActive member of Spectra, Fine arts and design society of IIT Kharagpur for 4 yearsInterhall bronze in sketching 2010, gold in cartooning 2008Member of Illumination and Rangoli design teams for SN Hall for 2009 and 2010 | | | |
| Literary | <ul style="list-style-type: none">One of 15 entries selected for inter-college writing competition by The British Council, 20094 years’ experience in The Scholars’ Avenue, student run campus newsletter | | | |
| Dramatics | <ul style="list-style-type: none">Felicitated in ISI Kolkata for outstanding performance as a member of Bengali Technology Dramatics SocietyParticipated in dramatics workshop under famous actor Mr. Koushik SenActive member of Interhall dramatics team winning bronze(2008), silver(2009) | | | |