

# SOURADEEP PAUL

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EDUCATION	INSTITUTION	CGPA/ %	YEAR
<b>B. Arch. (Hons.)</b>	<b>IIT Kharagpur</b>	<b>8.31/10</b>	<b>2015</b>
Class XII (AISSCE)	DAV Public School, Kota	84.8%	2010
Class X (AISSE)	KV Silchar	94.4%	2008

## SUMMARY OF ACHIEVEMENTS

- Currently working as **Manager – BIM at Space Matrix**, liaising across multiple **global locations** towards **technology implementation**
- Awarded **Gouri Basak Design Award 2014** by IIT Kharagpur for the **best project** on Design in pre-final year class
- Received a pre-placement offer from **Aziza Chaouni Projects, Toronto** for successful execution of **international projects: Euro-Mediterranean University, World Sacred Music Festival, Qarawiyyine Library (World's Oldest University)** during Jan – July '14
- Paper accepted for **International Conference** at Singapore & publication as **first author** in **GSTF Journal of Engineering Technology (JET)**
- Felicitated at International Symposium on Infrastructure Design & Management at Kolkata** by RCGSIDM, IIT Kharagpur in February, 2015

## PROFESSIONAL EXPERIENCE | PROJECTS

<b>Space Matrix Design Consultants</b>	<b>Manager – BIM</b>	July '15 – present (6 months)
<i>BIM[Building Information Modeling]Deployment</i>		<b>Company Transition [Global]</b>
<ul style="list-style-type: none"><li>Mapped <b>company structure &amp; processes</b> and single-handedly plotted a <b>BIM implementation mind-map</b> based on global strategies</li><li>Managed the creation of <b>Centralized CAD Library</b> by Design team &amp; <b>planned</b> creation and <b>data collation</b> for <b>BIM Library</b></li><li><b>Connected and liaised</b> with more than <b>60 vendors</b> to discuss <b>simultaneous implementation of BIM</b> technology for product design</li><li><b>Liaised</b> with Neilsoft, Capricot, Genesis Infoserve, Arth and multiple other <b>BIM vendors for co-execution</b> of company BIM projects</li><li>Working with <b>key stakeholders across teams [Design   QS   MEP   Business   PM   Digital Design]</b> for setting up company standards</li></ul>		
<i>Document Management System [DMS] Software Deployment</i>		<b>Technology Implementation [Global across all teams]</b>
<ul style="list-style-type: none"><li><b>Chartered company DMS requirements</b> and liaised with global vendors for technology/ software solutions, also <b>executed POC</b> for same</li><li><b>Collaborated</b> and liaised with <b>teams across 12 global locations</b> in <b>standardizing</b> company folder structures and file-naming conventions</li></ul>		
<i>Pilot LOD 500 Project in BIM – RMZ-BT &amp; Conceptualization of BIM [6D] for facility management</i>		<b>Technology Innovation</b>
<ul style="list-style-type: none"><li>Actively guided creation of <b>first LOD 500 MEP BIM model</b> for the company [RMZ-British Telecom] as a <b>demo-pitch for clients</b></li><li>Laid out <b>LOD 500 BIM Model Requirements</b>; collated &amp; curated data from across teams; <b>lead project</b> from initiation till execution</li><li>Researched &amp; innovated approaches to <b>usage of BIM technology in Facility Management</b>; Lifecycle Management[Beyond 5D]</li></ul>		
<b>Aziza Chaouni Projects, Fez, Morocco</b>	<b>Official Training</b>	Jan – July '14 (6 months)
<i>World Sacred Music Festival, Morocco</i>		<b>International Festival</b>
<ul style="list-style-type: none"><li>Collaborated with the <b>director, producer &amp; technical team</b> to conceptualize the sets &amp; the pavilion for the <b>international festival</b></li><li>Supervised a team of <b>35 people</b> leading to the <b>successful execution</b> of the project in a limited time period of 2 months</li><li>The set designed on <b>recycled origami concept</b> was appreciated by the <b>princess of Morocco</b>, dignitaries &amp; 60000 attendees</li></ul>		
<i>Euro-Mediterranean University Campus</i>		<b>International Competition</b>
<ul style="list-style-type: none"><li>Planning and design of an <b>international university campus</b> at Fez: Collaborated with architecture &amp; landscape <b>firms in USA and Morocco</b> (NADAAA, Boston &amp; Sasaki, Boston &amp; OAA, Casablanca) to produce key drawings and calculations</li></ul>		
<i>Qarawiyyine Library, Morocco</i>		<b>World's Oldest University, since 780AD</b>
<ul style="list-style-type: none"><li>Restoration of the <b>UNESCO World Heritage site</b>: Critical appraisal of current conditions on site for restoration to its old glory</li><li>Devised a contextual sustainable [net-zero] parasol for the landscaped and cafe spaces incorporating technology and design</li></ul>		
Researched and <b>incorporated ecological mechanisms</b> (solar chimney, geothermal, waste water treatment, rammed earth construction, green insulation); developed working drawings & BIM model for the 4000 sqm. <b>Zero Energy ecological Villa-Clymene, Marrakesh</b>		
<ul style="list-style-type: none"><li><b>Pre-placement offer</b> and <b>Letter of Appreciation</b> from <b>Ar. Aziza Chaouni (International Award-winning Architect &amp; Activist)</b></li></ul>		
<b>Kothari Associates, New Delhi, India Architecture Trainee</b>		May – July '12 (2 months)
<ul style="list-style-type: none"><li>Involved in planning, conceptualization, presentations and 3D visualizations of several projects including <b>Asia Pacific Institute of Management at New Delhi, Auditorium at Greater Noida, Pioneer Mall at New Delhi, and RSEB Headquarters, Rajasthan</b> etc.</li></ul>		
<b>Delhi Mumbai Industrial Corridor Development Corporation (DMICDC), Govt. of India</b>		September '14
<i>Paper Title: 'Revamping the state of lawlessness of a city to attract investors'</i>		<b>Smart Cities</b>
<ul style="list-style-type: none"><li>Detailed out global precedents &amp; case-studies &amp; proposed recommendations that are being considered for implementation by the architecture and urban planning team in the planning of new smart cities for the <b>Delhi-Mumbai Industrial Corridor</b></li><li>Awarded <b>Letter of Recommendation from the DMICDC</b> valuing the contribution in researching crime prevention and branding of cities</li></ul>		
<b>Design – Dean's Office   Public Restrooms   Hall of Fame [Media lab] @ IIT Kharagpur</b>		July '14 – Jun '15
<ul style="list-style-type: none"><li>Worked with Prof. Joy Sen, Head, RCGSIDM, Prof. B.Bhattacharya, Civil Department &amp; Prof. Sambit Dutta, Curtin University, Australia for successful execution of above designs; received <b>Letter of Recommendation from the Dean of Continuing Education</b> for the same</li></ul>		

## CONFERENCES

<b>3rd Annual International Conference on Architecture and Civil Engineering (ACE 2015), Singapore</b>		<i>Research and Innovation</i>
OVERVIEW	<ul style="list-style-type: none"><li><b>Research Paper- An Experimental Architectural &amp; Structural Proposal</b> on Steel and Subterranean Spaces</li><li>Experimented with material, structure &amp; social constructs governing sacred spaces in ethnic backdrop of Kolkata</li></ul>	
ACHIEVEMENTS	<ul style="list-style-type: none"><li>Globally selected from among participants of <b>45 nations</b> for <b>presentation</b> in Singapore</li></ul>	
<b>International Symposium On Infrastructure Design &amp; Management (February 2015), Kolkata</b>		<i>Research and Innovation</i>
OVERVIEW	<ul style="list-style-type: none"><li>Brought together <b>academicians, industry professionals and the corporate</b> to arrive at a significant Research-output</li></ul>	
ACHIEVEMENTS	<ul style="list-style-type: none"><li><b>Felicitated with 'Certificate of Appreciation'</b> by the organizers of the International Symposium (RCGSIDM, IIT KGP)</li></ul>	

## SOCIAL UNDERTAKING

**Founder, Anthill Creations (Self-initiative | NGO)** erstwhile Smiles Worth Millions

Ongoing

*Designing and implementing a recycled playground at Disha Seema Care Center, IIT Kharagpur (Pilot Project)*

- Conceptualized the design of **affordable play spaces** for children using recycled materials like scrap tires and used plastic bottles
- Contacted **20+ tyre companies** and drafted **sponsorship proposals** and initiated a **fund-raising public campaign** on BitGiving
- Tailored deliverables securing complete funding worth **INR 200,000** from **Michelin India**, world-renowned tyre manufacturing company
- Currently working towards pilot project in Bangalore; and establishing long term relationships with sponsors/ clients

**Caring for People, NGO by Sam Cawthorn**

Sept '13 – Jan '14

*Conceptualizing world's first multipurpose community on wheels as a part of One Million Dreams Project*

- Innovated world's first **multipurpose bus** acting as mobile classroom, women's tailoring center and mobile medical clinic, all on the one bus, designed with solar panels on the roof, with a total budget of **INR 2 million**
- Project was a part of **community empowerment** campaign in remote villages of Uttarakhand

*Also instrumental in **founding Right to Education Resource Center [RTERC] at IIT Kharagpur in collaboration with RTERC, IIMA** which aims at creating an ecosystem of key stakeholders – govt. | schools | parents | NGOs | colleges in Kolkata [Implementation of Sec 12(1)c - RTE Act]*

## COMPETITIONS

**Smart City Challenge** Organized by **MMRDA, CIDCO, DMICDC, US Consulate (India), Govt. of India & Techfest**

National Winners

OVERVIEW	• To make cities more efficient, sustainable and livable and improve the quality of life of rapidly urbanizing population
DESIGN	• Designing interactive playscapes to <b>redevelop Boi Para, Kolkata</b> – “largest second-hand Book Market in the world
COMMUNITY PARTICIPATION	• Discussions with <b>Chairperson, Kolkata Municipal Corporation</b> ; Union Leaders; Locals; Booksellers & Publishers
	• Discussions with experts: <b>Prof. A Banerji (Heritage Consultant)</b> , <b>Prof. J Sen (Head, RCG SIDM &amp; PI, SANDHI Project)</b>
	• Mentored by <b>Mrs. Bina Balakrishnan, Consultant, Transportation, Policy &amp; Management</b>
ACHIEVEMENTS	• <b>National Winners</b> in the 'Urban Aesthetics' Genre: Selected as a finalist among <b>900 entries</b> from across the country
	• Invited for the final presentation at <b>Consulate General of the United States</b> in Mumbai; winning entry to be realized
	• Design featured in <b>Times of India, Ei Somoy</b> and is <b>foreseeing plans for implementation at College St., Kolkata</b>

**INSDAG Architecture Award** Organized by **Institute of Steel Development & Growth (2014)**

Regional Winners (Eastern Zone)

OVERVIEW	• National Award Competition for students for the <b>best innovative use of steel</b> in Architecture
SIMULATION & DESIGN	• To design a steel intensive Cultural Complex-cum-Spiritual Center in any urban center in India (Site: Kolkata)
	• Conceptualized use of steel in a new light ' <b>Living Steel</b> ' to create subterranean spaces & natural topography
ACHIEVEMENTS	• Adjudged as <b>Regional winners (First)</b> and qualified for national finals held at Kolkata in Feb '15

**BIM (3D Design Challenge)** Organized by **Autodesk (2014)**

Certificate of Appreciation

OVERVIEW	• Building Information Modeling: Developing a futuristic youth center at IIT Kharagpur Campus
DESIGN	• Created a detailed architectural & structural BIM model using Autodesk Revit (Architecture, Structure & MEP)
ACHIEVEMENTS	• Conferred ' <b>Certificate of Appreciation</b> ' in Autodesk (BIM) Competition for qualifying <b>among top entries</b>

**Udaan** Organized by **CRY - Child Rights & You (Kshitij'13)**

Finalist ( RTE Implementation)

OVERVIEW	• To ascertain the <b>potential of using internet</b> as a tool for implementation of the <b>Right to Education (RTE) Act</b>
ACHIEVEMENTS	• Laid out a comprehensive framework based on <b>available social platforms</b> and established global models; <b>recognized as a finalist</b> in the case-study competition organized by Child Rights and You (CRY), 2013

*Also finalist in **Architech ~ Techfest'12 (IIT Bombay)**, **Bambootech ~ Cognizance'13 (IIT Roorkee)**, **Ecovision, Kryotech (Kshitij'13)**, awarded **Special Recognition in Transparence 2013 (Ethos India)** & **national Top-6 in Design Masters Challenge by CNBC, TV-18 & Ethos India***

## SOFTWARE SKILLS [ DESIGN | TECHNOLOGY | ANIMATION | CONCEPT | GRAPHICS | PHOTOGRAPHY ]

**Adobe Creative Suite**(Photoshop, Lightroom, Indesign, Flash, After Effects, Premier Pro), **Autodesk Building Design Suite** (Revit, AutoCAD, 3dsMax, Navisworks, Ecotect Analysis, Vasari, Robot Structural Analysis), **Trimble SketchUp, Lumion & Microsoft Office Suite**

## POSITION OF RESPONSIBILITY

**Founding Team Member & Design Manager, Technical Team, Flabbi (2011-12)** *Intermed Innovations*

ROLE	• Pioneered the creation of a content sharing platform in animated services for multiple customer segments
	• <b>Spearheaded the launch</b> of flabbi.com, an online portal for creation and sharing of animated content
	• <b>Co-ordinated</b> with the technical team in <b>designing the user interface</b> for the website as well as <b>graphics &amp; animations (online publicity)</b> ; also responsible for <b>developing &amp; uploading flash content</b> on site
INITIATIVES	• Initiated the launch of ' <b>Flash-U</b> ', a <b>nationwide flash development competition</b> & worked towards publicizing it

**Team Leader, NASA Redesign Trophy & ANDC (2012-13), IIT Kharagpur Annual National Architectural Convention**

MANAGEMENT	• <b>Lead a 3 tier-team</b> of 14 students comprising of freshers, sophomores & juniors
	• <b>Supervised</b> the conduction of <b>site visits</b> and detailed documentation of the project area in Kolkata
ACHIEVEMENTS	• <b>Led the only team</b> from IIT Kharagpur to <b>qualify the ANDC criteria</b> , allowing IIT Kharagpur to participate in NASA
	• Awarded <b>Letter of Appreciation</b> from SSAP (Students' Society of Architects & Planners) during 2011-12 & 2012-13

**Contingent Leader, IIT Kharagpur, Zonal NASA Convention (2014-15)** *Annual Zonal Architectural Convention*

LEADERSHIP	• Managed a contingent of <b>45 members</b> – assigned events and ensured the smooth functioning of the teams
	• Lead the 6 member <b>Bronze-winning Main Design Team</b> in and mentored the <b>Gold-winning Landscape Design Team</b>
INITIATIVES & ACHIEVEMENTS	• Formulated a <b>strategy for division of tasks</b> among freshers, sophomores & juniors based on curriculum & skill-sets
	• Won overall <b>Gold in Formal Events</b> & overall <b>Bronze</b> at the convention (Formal & informal)

*Also served as **Team Leader, NASA Product Design Trophy (2011-12)** and **Mentor, NASA ANDC (2013-14) & ANDC (2014-15)** and **Department Mentor, Azad Hall of Residence (2013-14)***

## EXTRA-CURRICULAR ACTIVITIES

TECHNOLOGY	• Part of <b>bronze winning Product design team</b> and <b>Ad-design team</b> of Azad Hall of Residence, IIT Kharagpur
CULTURAL	• Played an active role in <b>gold winning inter-hall choreography</b> , IIT Kharagpur and choreography, Zonasa 2010
	• Supervised and prepared students for fine arts events. Conducted workshops as the <b>Fine Arts Vice-Captain</b>