



Arnav Jaimini
Civil Engineering
Indian Institute of Technology, Bombay

190040021
B.Tech.
Gender: Male
DOB: 11-05-2000

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	null
Intermediate	CBSE	DAV Public School	2018	91.00%
Matriculation	CBSE	St. Paul's Sr. Sec. School	2016	10

PROFESSIONAL EXPERIENCE

Policy Consulting | RJMCHN Mission – Dept. of Women & Child Development | Maharashtra [Dec '20 – Jan '21]

Strategized restructuring of Urban Integrated Child Development Services (ICDS) – Administrative System

Approach	<ul style="list-style-type: none"> Analysed a detailed survey of 1.1L+ Anganwadi Centres (AWC) in 32 districts, to extract their Geo-Spatial Locations Identified 1k+ AWC across 6 major districts that existed outside their respective administrative ward boundaries
Impact	<ul style="list-style-type: none"> Demarcated boundaries of 50+ Projects (cluster of AWC) for Ward jurisdiction through mapping in QGIS software Proposed interventions by restructuring 10k+ AWC jurisdiction-wise to facilitate Govt's 5-year development plan

Design Thinking and Innovation Project | Stanford Byers Center for Bio Design | California [Jul '20 – Feb '21]

Guide: Prof. Anurag Mairal, Adjunct Professor of Medicine and Director, Global Outreach Programs, Stanford University

Approach	<ul style="list-style-type: none"> Selected in a 5-member team among 50+ candidates to aid in improving the lives of under-served communities Interviewed 50+ stakeholders from Govt Organizations and NGOs including Bill & Melinda Gates Foundation
Impact	<ul style="list-style-type: none"> Administered 5-step design thinking framework to reduce child mortality rate due to undernutrition in India Conceptualized solutions to measure 2 parameters via android app to improve accountability of health centres

KEY PROJECTS

Research | Energy-Consumption and Time-Use profiling of Indian Households (Course Project) [Oct '20 – Nov '20]

Guide: Prof. Arnab Jana, Associate Professor, Centre for Urban Science and Engineering (CUSE), IIT Bombay

Approach	<ul style="list-style-type: none"> Spearheaded a team of 6 batchmates, managing the energy, outlook, engagement, and <i>cohesion of the team</i> Surveyed 180+ people for daily consumption data; identified 10 factors to compare Pre-COVID & COVID behaviour
Impact	<ul style="list-style-type: none"> Suggested local & national level policies; predicted post covid household behaviour and consumption pattern Discovered changes in energy use patterns, indoor & outdoor activities, proposed policies to improve ICT sector

Research | City Profile: Understanding a City and Its Potential (Course Project) | Guwahati [Aug '20 – Sep '20]

Guide: Prof. Arnab Jana, Associate Professor, Centre for Urban Science and Engineering (CUSE), IIT Bombay

Approach	<ul style="list-style-type: none"> Analysed 5M+ tourists' data, & performed SWOT analysis to improve transportation, tourism & commerce sector Estimated costs of various proffered state schemes, plans, policy changes & tourist circuits, thereby optimizing it
Impact	<ul style="list-style-type: none"> Classified 8 major tourist-spot types, proposed 4 corridors of Light Rail Transit System and 4 Tourist-Bus Circuit Conceptualized ideas promoting local handicraft & tea industry impacting 10L+ increasing revenue of ATDC

Research | Healthcare facility and scope of E-health services in post COVID era (Course Project) [Jan '21 – Apr '21]

Guide: Prof. Arnab Jana, Associate Professor, Centre for Urban Science and Engineering (CUSE), IIT Bombay

Approach	<ul style="list-style-type: none"> Worked in a team of 2, achieved to collect a detailed dataset of 120+ people during an online semester Overlooked various sectors of e-health services viz. Telemedicine, e-medicine, e-health, tele-consultation
Impact	<ul style="list-style-type: none"> Devised strategies to increase faith of people in e-health; applied regression analysis over surveyed dataset Conducted perception and perspectives study for 120+ people; analyzing behavioral traits and factors affecting it

Research | Urban & Rural transport & water resources optimization using GIS (Course Project) [Mar '21 – May '21]

Guide: Prof. Surya Durbha, Associate Professor, Centre of Studies in Resources Engineering (CSRE), IIT Bombay

Approach	<ul style="list-style-type: none"> Analysed water resources & distribution system of Madhya Pradesh; to promote efficient use of water sources Investigated adverse effects of National Radio Quiet Zone (West Virginia) by analysing Transport & Public Schools
Impact	<ul style="list-style-type: none"> Systematized resources with their availability in different parts by running SQL Query on QGIS, Postgres, PG Admin Concluded reduction in public schools, transportation connectivity; not being at par with neighbouring urban areas

Value v/s Growth v/s Thematic Investing | Finance Club | IIT Bombay [Jun '21 – Present]

Finsearch: An institute wide research driven programme to promote financial knowledge

Highlights	<ul style="list-style-type: none"> Examining the difference between value, growth and thematic investing and analysing their pros and cons
Initiatives	<ul style="list-style-type: none"> Designing a portfolio which suits best for the current Indian market based on the above three strategies

INTERNATIONAL EXPOSURE

HEC Business Game 2021 (HBG-2021) | HEC Paris | France

[Apr '21]

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| Key Points | <ul style="list-style-type: none"> Selected among 130 scholars (30+ countries, 50+ universities) out of 550 applicants for the 2-day / 4-case event Pitched for all 4 cases to Bain & Company, Ferrari, Cdiscount, and Viibe; shortlisted via Ab InBev case study |
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HPAIR Harvard Conference | Harvard Project for Asian and International Relations | Boston

[Jan '21, Present]

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| Key Points | <ul style="list-style-type: none"> Recognized as distinguished scholar; among top 24%(9K+) applicants to get selected for the US conference 2021 Led discussions in Executive Seminar, among 40 delegates, with the Director – UNAIDS Asia and the Pacific Among 600 delegates (60+ countries) selected for HPAIR Asia Conference 2021 to be held in Taipei, Taiwan |
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Other Key Conferences

[Nov '20 – Jun '21,]

HUII – India	<ul style="list-style-type: none"> Awarded full scholarship (top 5% delegates, 3k+ applicants) for Harvard US-India Initiative – India Conference
UNLEASH	<ul style="list-style-type: none"> Selected among top 17 teams out of a pool of 70+ teams (80+ countries) for Unleash Hacks - Mongolia
ENERGY Conf.	<ul style="list-style-type: none"> Attended the 2-day Princeton Energy Conference 2020 on 'Energy Implications and futures beyond Covid-19'
YEF - Asia	<ul style="list-style-type: none"> Selected as a delegate to represent India for the Youth Economic Forum – Asia 2021 held in Malaysia
RDYECA	<ul style="list-style-type: none"> Selected among 150 youth delegates for Regional Dialogue on Youth Empowerment in Climate Actions-Thailand

POSITIONS OF RESPONSIBILITY

Department Head | Sustainable Social Development (SSD) | NSS IIT Bombay

[May '21 – Present]

Leading a 2-tier team striving towards promoting sustainability and social inclusiveness through community service

Team Management	<ul style="list-style-type: none"> Selected (joined laterally) to be 1 among the 11 Core Team Members and 1 among the 3 Heads of SSD Department Spearheading Marketing team of 9 to deal with sponsors for FLARE: online socio-art fest targeting 22K+ Institute Handpicked 9/25+ associates, saved 10+ manhours through a 3-step process; enhanced credibility by peer review
Initiatives	<ul style="list-style-type: none"> Revamped TARANG – YouTube channel, boosting subscriber count by 2x; managing 125+ videos with 96K+ view Orchestrating an institute-wide project on e-waste management to be conducted as a case study competition Responsible for execution, development, and grading of 2 mandatory freshmen courses - NOCS01 & NOCS02

Design Nominee | Cabinet Member | Student Mentor Program (SMP)

[Jun '20 – Jun '21]

Handled design operations of 4-tier body, assisting Overall Coordinators & Cabinet Heads for positive senior-junior interaction

Highlights	<ul style="list-style-type: none"> Ideated and designed a platform having 250+ course reviews catering to the academic needs of 4K+ UG student Saved 15+ manhours by automating the design and distribution of 350+ certificates and 100+ gratitude card
Initiatives	<ul style="list-style-type: none"> Redesigned the Logo of SMP IIT Bombay after 4 years, making it more prominent, cause, and motive driver Optimised the prospective freshmen official website (16K+ users) by reducing the number of clicks by 10%

Interview Coordinator | Placement Cell | IIT Bombay

[Nov '20 – Dec '20]

Assisting the Internship Coordinators and Associate Placement Coordinators in the interview process

Teamwork	<ul style="list-style-type: none"> Worked in a team of 250+ overlooking placements catering to 1.5K+ Undergraduate and Post-graduate students
Highlights	<ul style="list-style-type: none"> Coordinated with POCs (Point of contact) of 10+ companies to smoothen first ever online recruitment process

RELEVANT COURSEWORK & SKILLS

<ul style="list-style-type: none"> Fundamentals of Urban Science & Engineering Research Methods in Urban Science Introduction to Geographic Information Systems Programming for IYCN – UNICEF Course Environmental Studies: Science and Engineering 	<ul style="list-style-type: none"> Economics Differential Equation Linear Algebra Behavioral Finance Adobe Photoshop 	<ul style="list-style-type: none"> Microeconomics – When Markets Fail MITx course on AP[®] Microeconomics Financial Modelling Bootcamp 10 Modules of Energy Engineering QGIS MATLAB R Excel Tableau
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ACCOLADES & EXTRACURRICULARS

Academics	<ul style="list-style-type: none"> Secured a GPA of 9.11 in the 4th semester Awarded 10 AAs (top 10%) in 4 semesters 	['20]
Sports	<ul style="list-style-type: none"> Represented Hostel in 50m Freestyle Swimming General Championship; trained yearlong in NSO Aquatics 	['19]
Public Speaking	<ul style="list-style-type: none"> Moderated a 3-member panel discussion on 'Social Media & Cyberbullying' engaging an audience of 200+ 	['19]
Mentorship	<ul style="list-style-type: none"> Guided 5 freshers for 2 months on 'Consumer Theory & Behavioural Economics' during Summer of Science 	['19]
Technical	<ul style="list-style-type: none"> Led 7-member contingent of IITB in IITR Civil Conclave; stood 4th in Rejuvenating River Ganga case study 	['19]