

Vaibhav Saxena

655A-4/182, Gayatri Puram, Lucknow-226022, India | +91 9006987018
vaibsaxena93@gmail.com | <https://vaibhavsaxena.wixsite.com/vaibhav>

EDUCATION

Fab Lab Vigyan Ashram

Fab Academy Diploma(click [here](#) for Fab Academy portfolio)

Pune, India
01/2019- Present

Birla Institute of Technology, Mesra

Bachelor of Architecture (3.6/4.0)

Ranchi, India
07/2012-12/2017

PROFESSIONAL EXPERIENCE

Studio MADE

Junior Architect

Design development for Vivi Porto Corallo (Italy) Urban Design Competition
Presentation drawings & energy analysis for DAU (Saudi Arabia) Library Competition

Hyderabad, India
01/2018-01/2019

Studio MADE

Architectural Intern

Worked on conceptual design, initial site analysis for optimum location of courtyards for maximum water absorption in National Law University competition

Hyderabad, India
04/2017-07/2017

Kashef Chowdhury/URBANA

Architectural Intern

Generated and analysed various facade options for optimising daylighting on Grasshopper (DIVA) for Padma Oil Headquarters in Dhaka

Dhaka, Bangladesh
01/2017-04/2017

Vo Trong Nghia Architects

Architectural Intern

Involved in offsite 1:1 prototype construction of bamboo pavilion to be built in Tokyo

Ho Chi Minh City, Vietnam
07/2015-11/2015

ACADEMIC & RESEARCH EXPERIENCE

FabLab CEPT

Research Assistant

Developed a binder-jet 3D printer under 200 USD to print modular structures(especially minimal surface) using concrete and custom code

Ahmedabad, India
07/2017-10/2017

University of Utah, USA

Researcher

Worked alongside Prof. Stephen Goldsmith and Prof. Benjamin Cohen in a selected team of six US and nine Indian Students on Sustainable Urbanization of Water

Hyderabad, India
01/2016-07/2016

TEACHING EXPERIENCE

Mentor - Design thinking, Innovation and 3D printing

Selected to be a Mentor of Change by NITI Aayog, a think tank of Government of India

Hyderabad, India
11/2018 - present

Workshop Tutor on Binder-jet Concrete 3D printing

30 students from South Zone, India participated in a two day workshop

S.I.T. , Tumkur, India
10/2018

HONORS & SCHOLARSHIPS

Full Scholarship Participant

Designed tools for waste management as part of SDG Goal 11

S.T.E.A.M. School, Mumbai

12/2017

Jury Commendation

Center for Performing Arts in New Delhi

Saint Gobain Transparence Design Competition

12/2016

Full Scholarship Participant

Organised by ETH Zurich at TU Delft

Engineering for Development Summer School

07/2016

Winner

Travelled to Portland, Oregon to understand urban homelessness

Berkeley Travel Fellowship Competition

04/2016

Finalist/Top 8

Memoir on alleviating homelessness in a tribal village of Malaysia

Berkeley Essay Competition

03/2016

National Finalist & Winner (East Zone)

India's biggest Architecture Quiz Competition

Archumen

09/2013 & 10/2014

Jury Commendation

Office Building in Mumbai

India Green Building Design Competition

09/2014

Winner and Jury Commendation

National level scholarship competition based on past academic work

Ethos NASA India Scholarship

01/2014 & 01/2015

PUBLICATIONS

Book: Practical Research in Support of Sustainable Urbanization

Co-authored in collaboration with Prof. Stephen Goldsmith & Prof. Benjamin Cohen

07/2016

Editing: Documentation of Temples at Bisnupur, India

Part of Louis I Kahn documentation trophy, to study roof forms

01/2015

Editing: Archumen, Questioning Architecture

Book of questions on architecture

07/2014

EXHIBITIONS

Parametric Bamboo Pavilion- on university grounds

Designed an algorithm to expedite design, fabrication and assembly

03/2016

SKILLS

Software: AutoCAD, Fusion 360, EAGLE, Rhino 3D with Grasshopper, Adobe Photoshop, Illustrator, InDesign, Dreamweaver, Arduino IDE and Git

Programming Language: AVR C, Python, HTML, CSS

Hardware: Arduino + Sensors, ATtiny 44 and 45 based systems, CNC, Laser cutting, PCB Milling, Soldering and 3D printing

Language: English (fluent, TOEFL-108), Hindi (native)

MISCELLANEOUS

Hobbies: Photography (Work exhibited at Design Fabric exhibition, Mumbai and two-time semifinalist in Adobe Awards)

Travelling (Nepal, Vietnam, Bangladesh, Germany, Netherlands, Belgium, USA, Austria) and Dramatics