SREYA TOLETY, LEED GREEN ASSOCIATE

For me, design is the binding glue between mankind and art, the lovechild of creativity and logic. It ends and begins about the same instance, hence blocking any gap that may arise. Life forms the key essence of architecture, because of the sole reason that it allots use to Space.

EDUCATION

2019-2021
GRADUATE DEGREE
CARNEGIE MELLON UNIVERSITY: MSSD

2013-2018
UNDERGRADUATE DEGREE:
B.M.S SCHOOL OF ARCHITECTURE: B. ARCH

2011-2013
NATIONAL PUBLIC SCHOOL,
COMPUTER SCIENCE

PROFESSIONAL EXPERIENCE

JULY-AUGUST 2016:

UNITED NATIONS
SDG DEVELOPMENT PROGRAM
This project was about supporting Egypt in achieving 'Sustainable Cities and Communities', one of the United Nation's Sustainable Development Goals (Goal #11).

JULY-DECEMBER 2017:

A-DESIGNSTUDIO, SRI LANKA:
INTERN ARCHITECT
Conceptualization, design development and structural drawings for residential, hospitality, commercial architectural projects in Sri Lanka, India and the Middle East.

JANUARY-MAY 2018:

SOURCE ARCHITECTURE, BANGALORE:
INTERN ARCHITECT
Design, structural detailed drawings of commercial and residential architectural and interior design projects in Bangalore. Site handling and managed client meeting

AUGUST 2018-PRESENT:

SCION CONSULTANCY, BANGALORE:
ARCHITECT
Design of retail projects, public spaces. Handling design and execution of modular structures, execution of turnkey-based projects. Exhibition/set design, branding design.

ACHIEVEMENTS

BMSSA EDITORIAL BOARD
MEMBER 2014-2015

AIESEC-UN SDG DEVELOPMENT
PROGRAM 2016, DAMIETTA,
EGYPT

NASA INDUSTRIAL DESIGN
TROPHY 2016, BANGALORE

CONFERENCES

LAURIE BAKER CENTRE PRO-
GRAM 2015, TRICHY

ASIAN BUSINESS ANGEL FUNDING
CONFERENCE 2017, COLOMBO

GODREJ SCRIPT DESIGN CONFERENCE
2018, BANGALORE

2014:
AR. KAVITA DOSHI: INTERN ARCHITECT
KLOH: CONTENT WRITER

2016:
VERSE ARCHITECTURE: INTERN ARCHITECT
ENGLISH: VOLUNTEERING

2017:
GROWW FINANCE: CONTENT WRITER

2018:
SCION CONSULTANCY: JUNIOR ARCHITECT
ZINGYHOMES: ARCHITECT CONTRIBUTOR

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STOLETY@ANDREW.CMU.EDU LINKEDIN: SREYA TOLETY

CARNEGIE MELLON UNIVERSITY
MASTER OF SCIENCE IN SUSTAINABLE DESIGN

Research Assistant, Manufacturing Futures Initative: CMU CoE: Material Science and Robotics Research at CMU College of Engineering's MFI in jetbinding, structure for the fabrication of construction blocks using demolition waste as aggregate in partnership with ExOne. Headed by Professors Dana Cupkova and Joshua Bard.

Graduate Teaching Assistant, Advanced Construction Studio: Assisted Professor Azadeh Sawyer and Professor Steve Lee in conducting the graduate studio for the Advanced Construction Studio Spring 2020. Introduced computational tools pertaining to energy analysis such as ClimateStudio, DIVA, EnergyPlus and ArchSim to be implemented during the course of the studio.

Building Performance Modeling: Information-based parametric modeling to facilitate optimization integrated into the process of design.

Dynamic Actuation of High-Performance Facades: Developed generative, climate-controlled facade configuration to influence higher standards of human thermal comfort.

Environmental Performance Simulations: Worked on climatically-responsive, performance-based simulation to support decision-making in the urban built environment.

Fundamentals of Programming & Computer Science: Developing a tool that accounts for and analyses LCA of a particular material during the process of design and construction.

Shaping Daylight: Building a virtual/augmented reality construction engine to analyse the qualitative and quantitative components of commercial daylighting.

Generative Modelling: Worked to develop advanced computational design methods on the basis of Grasshopper scripting.

SOFTWARE & LANGUAGES

Rhinoceros 3D	Grasshopper	Python 3.0
Autodesk REVIT	Trimble Sketchup	C++
Autodesk AutoCAD	Adobe Suite	Chaos VRay

COMPUTATIONAL TOOLS

IES Builder	EnergyPlus	ArchSim
HoneyBee	DIVA LadyBug	RevitCEA
Cove.tool	ArcGIS Pro	Climate Studio