

**Shylesh Kumar**

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13,Sri Ramakrishna Nagar,
Villivakkam, Chennai,
TN ,India

june 1999 - March 2014/

Bhaktavasalam Vidhyashram
Chennai, India**Schooling - 10+2**

Passed class 10th (CGPA - 9.0) From 2011 to 2012
Passed class 12th (80%) From 2013 to 2014

/July 2014 - May 2019/

School of Planing and Architecture
Vijayawada, India**Bachelor of Architecture**

Design studios I - VII, Urban design, Theory of design, Architectural drawings , Building Construction I- VI, Building services, Costing and Estimating, Principles of Human , Research Methodology, Computational architecture.
B.Arch (Distinction) From 2014 to 2019
COA reg.no CA/2019/118437

/January 2017/

Digital intuition V3**59th NASA convention, Jaipur**

5 days intensive workshop on basics of rhino and grasshopper, and introduction to computational architecture.

/July 2017/

Generative Morphologies**Design Morphine, Chennai**

5 days intensive workshop on basics of rhino and grasshopper, and introduction to computational architecture.

/September 2018/

IoT and microcontrollers**Ramson Labs, Vijayawada**

3 days jam session on developing simple circuit and projects using sensors and arduino

/November 2018/

Game development using Unity**SRM, Vijayawada**

3 days intensive session on game development using unity and javascript.

/July 2019/

Games for good by US consulate**T-Hub, IIIT, Hyderabad**

5 days gamejam session on developing a game to create awarness and impact of social or enviromental issue.

/January 2020/

MIT India Initiative hackathon**Welinkgar, Mumbai**

7 days hackathon on creating a sustainable and resilient development on an existing issue in Mumbai.

Education and Workshops**Professional and Tutoring****Skills and Awards**

Reference : Dr. Faiz Ahmed, Assistant Professor
+91 94455 45513,faizahmed@spav.ac.in
Mrs.Banu Chitra, Assistant Professor
+91 98844 28179, banuchitra_m@spav.ac.in
Mr.Sridhar Mamidala, Principal designer at Sri design Lab
+91 91824 64857, sridesignlab@gmail.com

/September 2020 - Present/

Sustecture**Chennai, India****Design Architect**

/September 2019 - June 2020/

IIT Hyderabad - dept. of Design
Hyderabad, India**Junior Researcher**

Worked on DST project for creating digital heritage of representative architectural marvels from each states of Northeast India. Formulated workflows and researches on 3d printing techniques , AR/VR user experience and other sustainable simulations.

/May 2018 - Present/

Sri Design Lab**Hyderabad, India****Research Assistant**

Its a interdisciplinary design firm working on computation and technology in design domain. Work on computation researchs and projects. Mainly we work on workshops in order to spread knowledge.

Assistant Tutor**Mixed reality fabrication, 2019**
IAAC GSS, Chandigarh 2018

Part of reasearch team in preparing the design syllabus for the workshop.

/October 2017 - Present/

Digital IntuitionX**Chennai, India****Assistant Tutor**

Group of architecture freshers working to spread digital architecture in the field.

Digital intution V4, 2018

3 days class on free form modelling and implementation of microcontrollers in architecture

Interplay of mediuim AR, 2019

5 days session on integration of architecture and augmented reality. And projection mapping on installations.

/December 2017 - Present/

Habitant consultancy service**Vijayawada, India****Freelance Architect**

/December 2017 - April 2018/

Cadence Architects**Bangalore, India****Intern Architect****Modelling**

Rhinoceros 3D
Grasshopper
Zbrush
Sketchup
Maya LT
3ds Max
Reality Capture

BIM

Archicad
Revit

GameDev

Unreal
Unity
Blender
Houdini
Cinema 4d

Visualization

Vray
Keyshot
Adobe creative suite

Creative coding

ProcessingJs
P5.js
Touchdesigner
Python
C#

Analysis

Ecotect
Flowdesign
SolidThinking Inspire
Tekla

Fabrication

Laser Cutting
CNC Cutting
3d Printing
Mixed reality

ANDC tops 25 shortlisted, "Parallel projection", 2016

Zonal NASA college trophy citation, 2016

Industrial design competition tops 20 shortlisted, 2017

Kumar, Shylesh., Ji, Shiva. (2020) Adaptive Slicing for 3D printing based on Load Concentration at International Conference on Digital Fabrication (Design, Art and Technology) 2020 Taiwan - Accepted

Kumar, Shylesh., Ji, Shiva. (2020) Optimized Workflow for Photogrammetry based High Poly Mesh Simplification for 3D Printing. - Submitted