

# Akshat Kumar Daksh

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## CURIOUS LEARNER

### EDUCATION

**INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI** | 2019 – 2022 (PRESENT)

CGPA: 6.06

B.Tech (ECE)

**GYAN BHARATI SCHOOL, DELHI** | 2018 – 2019

Percentage: 92

Delhi Board CBSE

**SALWAN PUBLIC SCHOOL, GURGAON** | 2016 – 2017

CGPA: 9

School Board

### PROJECTS

**RISC-V SIMULATOR** | GitHub

Oct 2020 – Dec 2021

In Architecture, PC engineering is a bunch of decisions and strategies that depict the usefulness, association, and execution of PC frameworks. RISC-V is the fifth-era guidance set engineering. RISC V codes are proficient and have lesser guidance designs that simplify everything.

**DEEP LEARNING SUPER RESOLUTION** | COMPUTER VISION

Jan 2022 – May 2022

Using VDSR model to make an optimized and more efficient program to super-scale the footage which is observed to be way faster and efficient than existing software. Object tracking and cropping out the most relevant part of the video and applying super scale to make a video which looks better than original.

**WAR ZONE SAFE SIMULATOR** | Game Development | UNREAL ENGINE | Game Trailer

Jan 2022 – May 2022

Developed a simulator to train people on how to react and make decisions to escape from a situation where you are stuck in a building when a war is going on. It trains the player to not only trains what to do but also tells what not to. Some decisions in these situation can be dangerous. The simulator is set on Russia and Ukraine war scenario.

### TOOLS AND TECHNOLOGY

**TECHNOLOGY:**

Arduino • FPGA

**TOOLS:**

Matlab • Unreal Engine 5 • Xilinx Vivado • Adobe Suite • Blender • Autodesk Maya • HTML • Figma

**Familiar:**

React • Autodesk Fusion 360

### LANGUAGES

**PROGRAMMING**

Over 1000 lines:

Java • C++ • Matlab • Python • CSS • Assembly • HTML5

**Familiar:**

JavaScript • MySQL

**TECHNICAL ELECTIVES**

Computer Networking • Data Structure and Algorithm • Embedded Logic Design • Digital Circuits • Digital VLSI Design • Computer Architecture • Game Development