

MAYANK KABRA

ECE Sophomore

OBJECTIVE

Aspiring for a challenging career that consistently refines my skills and enable me to play a dynamic role in realizing the goals of organization and to continuously upgrade myself with the organization in which I am employed.

SKILLS AND PROJECTS

- Proficient in Languages C/C++/Java/Python.
- Good coding experience in implementing Data Structures and algorithms.
- Digital Electronics and Computer Architecture: Created five-stage pipeline processor (RV32I) also dealing with hazards. (under the guidance of Prof. Nandita Rao (IIITB))
- Python: Created multiplayer Pacman using pygame.
- Computer Networking: Created a multiplayer quiz using Client-Server in Python.
- Arduino: Created a modified and power saving Smart Street Light System using IR sensors and flip-flops.
- Good knowledge of Machine Learning and Deep Learning.

EXTRA-CURRICULAR ACTIVITIES

- Built SP-1 Robotics Quadrino – A working four-legs robot with capability to sense objects in its path.
- Built a Quadcopter – A helicopter with four rotors.
- Working in the field of Swarm Robotics (under guidance of Prof. Madhav Rao (IIITB))
- Good knowledge of LABVIEW (Image Processing and Recognition)
- Good hold of OpenCV (for computer vision) and Kivy (for app development)
- Attended TL-verilog workshop by Steeve Hoover created RV32I under guidance of Steeve Hoover (Redwoods Eda.)
- Created a blog on difference between TL-Verilog and Verilog
- Good knowledge of OpenGL, Cuda Programming.
- Created smart home system using google voice assistant.
- Knowledge of ROS.
- Knowledge of using KiCad (PCB Designing Tool).

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HOBBIES

- Playing Cricket
- Listening to music
- Playing guitar

Portfolio Website :
<https://mayank-kabra2001.github.io/My-Portfolio/>

EDUCATION

10th standard:
DAV Public School, Patiala, Punjab

- Central Board of Secondary Education
- CGPA: 10/10

12th standard:
Playways Sr. Sec. School, Patiala

- Punjab School Education Board
- CGPA: 8.5/10

Current GPA : 3.13