

Hello, I'm Ajay Gautam and I am 3rd year Electronics Engineering student with expertise in PCB designing, hardware designing, embedded system designing, IoT, and embedded programming in C/C++ and Python. I am passionate about problem-solving and have a proven track record of delivering high-quality projects on time and within budget.

Education:

- CLASS X, VIDYA NIKETAN HIGH SCHOOL AMGAON Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE) pass with 87 % in 2018.
- CLASS XII, VIDYA NIKETAN JUNIOR COLLEGE AMGAON Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE) pass with 80.31 % in 2020.
- Bachelor's degree in Electronics Engineering from GH Raison Collage of Engineering Nagpur.

INTERNSHIP / WORK EXPERIENCE

Intern, BillEx.pvt.ltd, Dec 2022 - Present Intern, working as a Electronics Engineer where i'm designing PCB layout and circuits.

Muskurahat Foundation Dec 2022 - Jan 2023 Intern,

BETiC GHRCE Dec 2022 - Jan 2023, I currently work in lab and doing some projects.

Skills:

- PCB designing (Kicad, Proteus, Altium Designer, Eagle PCB and easyeda)
- Hardware designing.
- Embedded system designing (Microcontrollers, Microprocessors, ARM Cortex-M, Raspberry Pi)
- IoT
- Embedded programming in C/C++ and Python
- Problem-solving (Debugging, Troubleshooting, Root Cause Analysis)
- Web Development.

Projects:

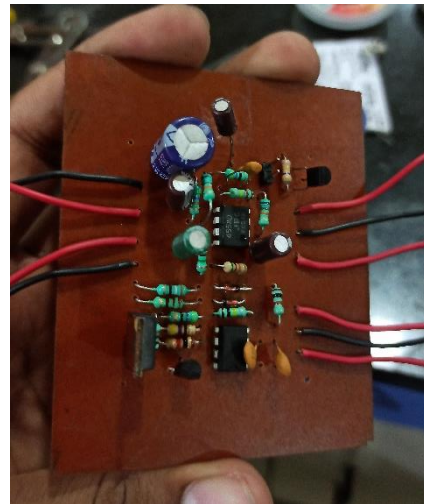
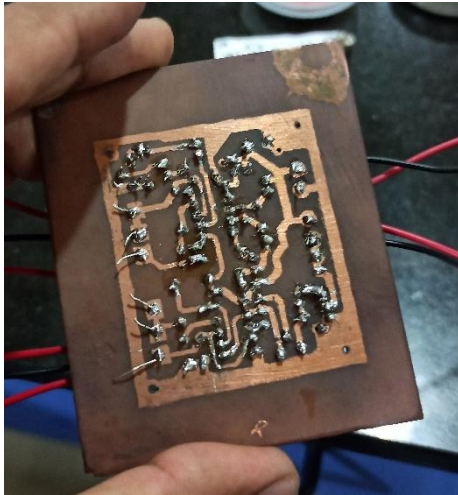
- As a part of curriculum, I have design Home Automation System and smart agriculture devices :- using Raspberry Pi and ESP32/82. The system allows users to control and monitor the surrounding situation remotely using a mobile app.
- Medical Device: Device to Detect Sponge During Surgical Procedure. (BETiC lab)
- RF Harvesting. (BETiC lab)
- Woman Security Wearable Device. (Camera module) - safety and Security. (BETiC lab)
- Macropad – product (BillEx.pvt.ltd)

Certifications and Awards:

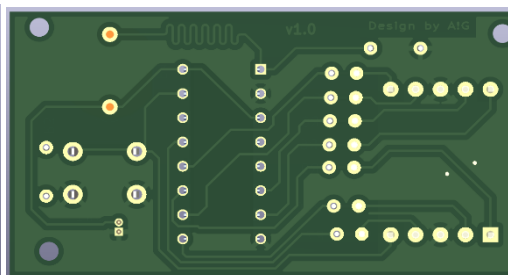
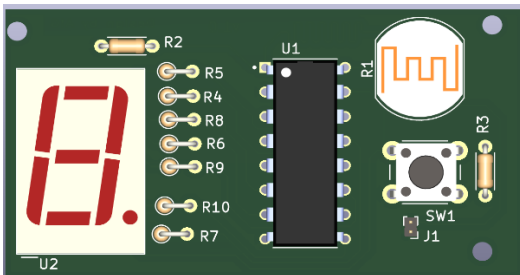
- Contraption competition, GHRCE SRC
- Terminator like Object Detection using Python and CNN, Devtown
- Recipe API Backend Web Development, Devtown
- Server Authentication Using Express and NodeJS, Devtown
- ROBO Soccer, GHRCE SRC

- Quiz competition, GHRCE NSS
- Avishkar competition, Avishkar Research Convention 2022-2023, RTMNU Nagpur

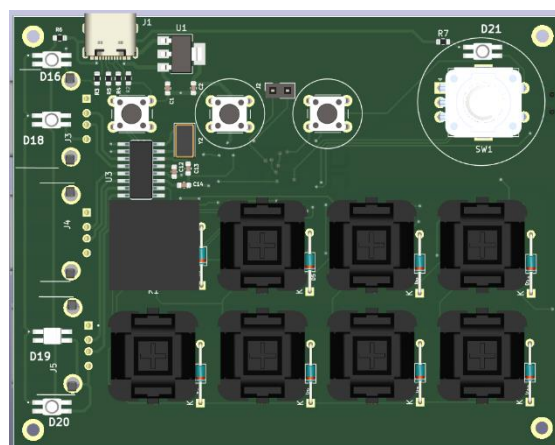
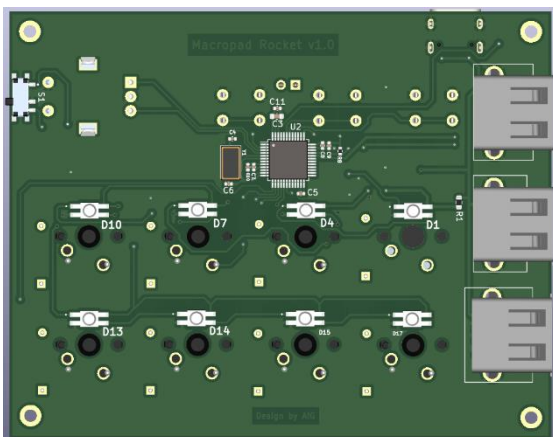
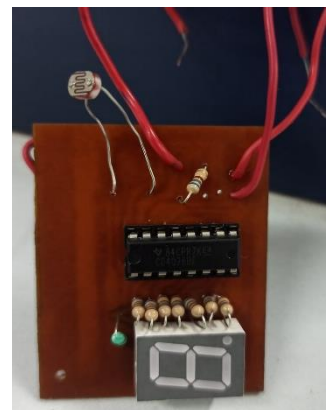
Some of my design and work: -



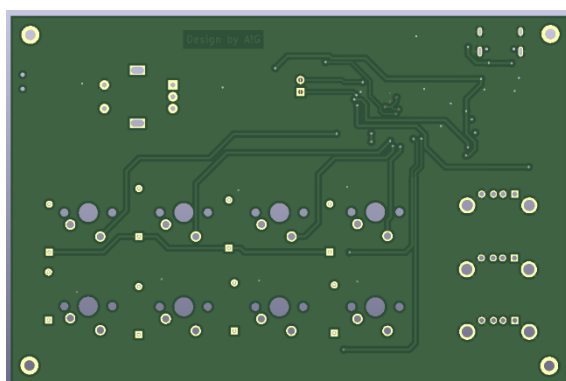
Metal detector circuit



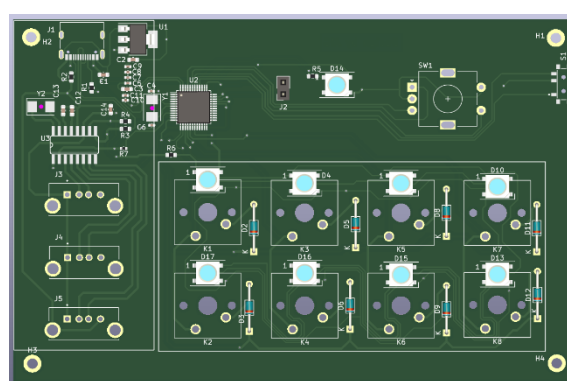
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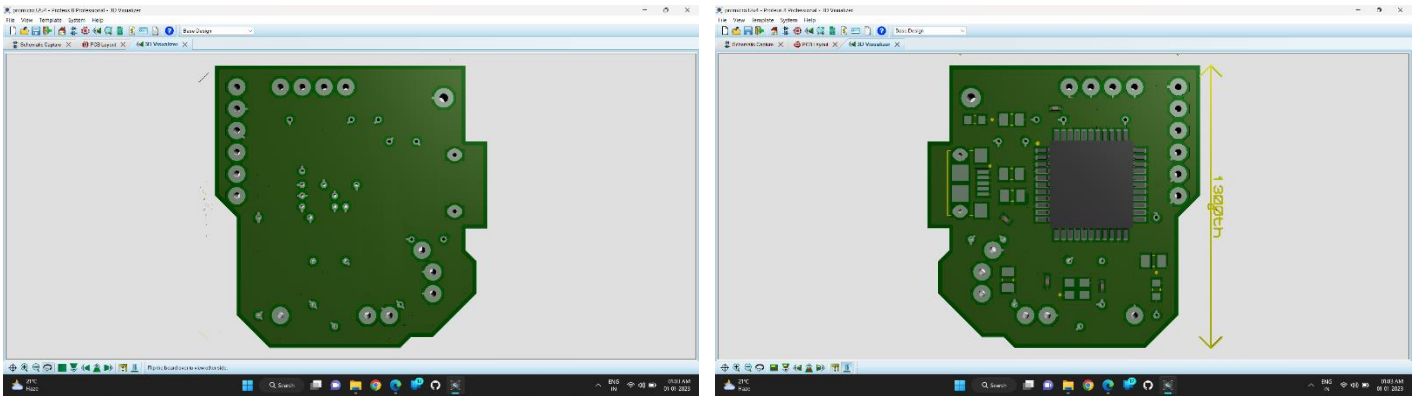
V 3.0



Macropad



V 2.0



Development Board Atmega32u4