

ARYANSH GUPTA

Electronics Engineer

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PROFILE

Enthusiastic and detail-oriented B. Tech student specializing in Electronics and Communication Engineering, with a strong foundation in core electronics, embedded systems, IoT, PCB design and programming languages like C, python, HTML. I have a passion for designing innovative circuits and eager to drive technological advancements in electronics industry.

SKILLS

Design Tools

KiCad, EasyEDA, MATLAB, LabVIEW

Programming Languages

C, Python, HTML

Embedded Systems

PCB Design - Schematic and physical layout

Command in Core Electronics Subjects

EDUCATION

B.Tech (Electronics and Communication Engineering)

Raja Balwant Singh Engineering Technical Campus (aff. to AKTU)

7.8 + CGPA

2022 - Present

Agra, India

Intermediate

Lifeline Public School (CBSE board)

82%

2022

Agra, India

High School

St. V.S Pubic School (CBSE board)

84%

2020

Agra, India

INTERNSHIPS

Aerial Delivery Research and Development Establishment, DRDO

Trainee

Worked on an IoT-based project integrating a LIDAR sensor with Arduino microcontroller for object detection. Designed and tested sensor interfacing, data acquisition, and real-time monitoring. Gained hands-on experience in embedded systems, IoT applications, and sensor integration.

19/06/2025 -

31/07/2025

Agra, India

Virima Automation Pvt. Ltd.

Trainee

Designed and developed PCBs both manually and using software for various sensor-based automation circuits. Focused on signal integrity, efficient signal routing, and noise reduction, worked on computer placement, schematic design, and board layout to ensure reliable system performance.

09/2025 - 11/2025

Agra, India

PROJECTS

Smart Shopping Trolley

Minor project in 3rd semester of B. Tech degree.

An automated trolley called 'SMART SHOPPING TROLLEY' can carry items while automatically following the customer without any assistance from a person.

The use of this method will influence how easily modern it is; shoppers may complete their buying task.

Solar E.V

Minor project in 5th semester of B. Tech degree.

A solar electric vehicle is an electric vehicle powered by renewable energy sources, i.e., solar energy, obtained from solar panels mounted on the surface of vehicles. The conventional vehicles and potential for use of alternative technologies in automobiles such as electric/ hybrid electric vehicle by converting available conventional vehicle with a sustainable motor, battery and solar panels.

CERTIFICATION AND ACHIEVEMENTS

- CMOS Digital VLSI Design, NPTEL
- Machine Learning using Python, MNIT Jaipur
- Trainee at ADRDE, DRDO, Agra
- Trainee at Virima Automation Pvt. Ltd.