

Akshat Jalwal

Final Year B.Tech. (Electrical Engineering)

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📍 Ujjain, Madhya Pradesh
📅 17th March 2003

EDUCATION

B.Tech. in Electrical Engineering

Madhav Institute of Technology & Science, Gwalior

2026

CGPA: 7.66

Class XII (Senior Secondary)

St. Paul's Convent Sr. Sec. School, Ujjain

2021

Percentage: 72.8%

Class X (Secondary)

St. Paul's Convent Sr. Sec. School, Ujjain

2019

Percentage: 74.4%

EXPERIENCE

Final Semester Internship

Indian Space Research Organisation (ISRO), Ahmedabad

Jan 2026 – Apr 2026 (Ongoing)

Summer Internship

Bharat Heavy Electricals Ltd. (BHEL), Bhopal


Jun 2025 – Jul 2025

Learnings – Gained hands-on experience in power plant operations and maintenance at BHEL Bhopal.

Industrial Training

Locomotive Care Centre, Western Railway, Ratlam

Jun 2024 – Jun 2024

Learnings – Traction Motor of Electric Locomotive Broad Gauge Class. 

PROJECTS

Wearable Heart Rate Monitor

- Developed Hardware and Software for a wearable monitoring device that could warn a patient before a heart attack.
- Utilised Python, SKlearn, Tensorflow, Matplotlib, Pandas, NumPy.

Latching Touch Sensitive Alarm Circuit

- Built a circuit using a 555 Timer IC. The touch sensor activates a buzzer alarm upon contact with skin or any electrically charged object.

Step Up Transformer Model

- Designed a circuit powered by a 6-9V battery. Used transistor-based oscillation to drive a transformer, stepping up voltage to ~220V to successfully light a bulb.

TECHNICAL PROFILE

- **Fields of Interest:** Control Systems, Power Transmission, Digital Electronics, EMFT.
- **Programming & Tools:** Python, Basic Simulink, VS Code, MATLAB.
- **Soft Skills:** Story Writing, Reading, Technical Analysis.

PERSONAL DETAILS

- **Hobbies:** Cycling, Story Writing, Reading, Watching Movies.
- **Address:** 6, North, Anu Parisar, Neelganga, Ujjain, Madhya Pradesh - 456001.