



Piyush Rajput
UG IV Yr.
SGSITS, Indore
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Enrollment No. : 0801EC231073
Electronics and Telecommunication
Engineering department
Gender : Male
Specialization: None
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Academic Details

Degree / Certificate	University / Board	Institute / School	Year of Passing	CGPA / Percentage
Graduation	Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal	Shri G.S. Institute of Technology and Science, Indore	2027	7.63
12 th	Central Board of Secondary Education	Alpine Academy, Indore	2022	92.2%
10 th	Central Board of Secondary Education	Alpine Academy, Indore	2020	85.6%

Scholastic Achievements

- Scored 99.9 + percentiles in Physics and Chemistry in CUET
Scored 95.735 Percentile in JEE Mains 2023

Experience

Summer internship, Department of Electronics and Telecommunication, SGSITS Indore May – June ,2025

- I have done my internship in designing and experimental testing of antennas under Department of Electronics and Telecommunication, SGSITS Indore.
- Gained practical knowledge of antennas and its parameters.
- Learned designing of different patch antennas and analysis of its parameters like VSWR, S11, radiation pattern, etc.
- Designed an antenna which works at THz, with great S11 of -64dB.
- Gained hands-on experience on CST studio and also worked on MS Excel.
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Summer Internship, Electrical and Instrumentation Department, SRF Limited. May -July, 2026

- Assisted in the commissioning of a new BOPE production line with the Brückner engineering team.
- Worked with Siemens S7-1200 PLCs, TIA Portal, HMI, SCADA, and industrial instrumentation.
- Developed an **HMI-based process monitoring project** for real-time visualization of plant parameters.
- Performed PLC troubleshooting, analog signal scaling (4–20 mA), and field instrument testing.

Platforms, Languages, Technologies & Tools Worked

- Operating Systems : Windows, Linux
- Software Skills : Visual Studio, MS Office, Github, Cadence, CST studio,TIA,SCADA
- Programming Skills : C/C++, Python, Verilog, ,SCL,Ladder logic

Technical/Academic Projects

- Door Alarm system using Reed switch.
- Line follower bot using IR sensor with obstacle detection.
- Personal Expense Tracker using Python & Pandas – records daily expenses by category, stores data in a CSV file, and generates monthly spending summaries and charts using Matplotlib
- Water Impurity detection and purification
- **Minor:-** Soil-Based Power Transmission for Battery-Free Smart Farming

Courses Undertaken

Core	Breadth
• Digital System and Design • Signals and Systems • Electronic Devices • Analog Circuits • Embedded Systems • VLSI Design • Mobile Communication • Digital Signal Processing • Computer Networks	• Data Structures & Algorithms • Economics for Engineers • Organisational Behaviour and Human Resource • AIML • Data Science

Positions of Responsibility

- Core Member of SGSITS PR Club.

Extracurricular Activities

- Played a key role in organizing Aayaam Fest as a PR Club member by managing director interviews, handling event communication, and compiling a comprehensive success report. (2024& 2025)
- Presented a research paper at IEEE conclave on Graphene based nano antenna design and performance evaluation.(2025)