

# Sajal Garg

+91 8487055766 | [gargsajal61@gmail.com](mailto:gargsajal61@gmail.com) | [Linkdin](#) | [Github](#)

## EDUCATION

- **Maulana Azad National Institute of Technology** Bhopal, India  
*Bachelor of Technology - Electrical Engineering* Dec 2021 - June 2025
- **Puna International School** Ahmedabad, India  
*Higher Senior Secondary Education* 2019-2021

## EXPERIENCE

- **Boston Scientific** May - July 2024  
*SDE Intern* Pune
- **Tech Stack**—JavaScript— NodeJS— CSS— REST API— PostgreSQL— React Native—NestJS  
**Project Description** [website](#)
  - Developed a Full-Stack resource management web-application utilizing React Native for front end development and employed the NestJS framework to build a scalable server-side application.
  - Implemented RESTful APIs using Node.js to ensure efficient data communication between front-end and back-end and incorporated several features, increasing data entry efficiency by 30 percent
  - Designed and integrated user-friendly interfaces by leveraging JavaScript and CSS to create responsive interfaces for both mobile and desktop View, enhancing user satisfaction and reducing onboarding time by 25 percent
  - Ensured security and data integrity by applying authentication and authorization mechanisms using LDAP for login authentication.

## PROJECTS

- **IoT Based Bidirectional visitor counter** [Details](#) Minor Project  
*Real time monitoring of crowd* April-2024
  - **Goal:** To make a cost efficient crowd management system
  - **Tools:** NodeMCU Wi-Fi module, Arduino IDE, Blynk, IR-Sensors, OLED display LEDs Circuit Components
- **Library Management System** [Github](#)  
*Library Management System using OOPs*
  - **Goal:** To develop features such as issue book, create users, add book, print available book, print issued book
- **Grid connected Photovoltaic system** [Details](#) MATLAB Simulink Model  
*Reliable Solar Energy Grid Connected System* November-2023
  - **Goal:** To make PV grid battery integrated system for domestic use
  - **Tools:** MATLAB simulink, Boost converter circuit, Inverter circuit, PV array, Lithium ion battery, electric grid, MPPT algorithm, voltage control circuit, inverter control circuit

## SKILLS SUMMARY

- **Coding Languages:** C++ , C , Javascript , CSS , HTML
- **Technical Subjects:** DSA , OOPs , DBMS , Matlab Simulink
- **Database and tools:** PostgreSQL , SQL , Sequelize ORM , Postman
- **Framework:** ReactNative , NestJs , NodeJs
- **DevOps:** Docker(container) , Git

## VOLUNTEER EXPERIENCE

- **VTP trained volunteer at NGO Art Of Living** Bengaluru, India  
*Social welfare.* July 2023 - Present
- **Head-Multimedia at ISTE-SC NIT BHOPAL** Bhopal, India  
*Conducted and Managed Various Technical Events and Workshops* Sept 2022 - Present
- **Technical Executive at Robotics Club- MANIT** Bhopal, India  
*Team Work.* Aug 2022 - Jan 2023
- **Technical Executive at Vision- MANIT** Bhopal, India  
*Workshops and Events.* Aug 2022 - March 2023