



Bhunesh Sen

+91 7067586483 | [EMAIL](#)

[LinkedIn](#)

OBJECTIVE

Work for learning as well as to secure a responsible career opportunity and also enhance my knowledge and skills, while making a significant contribution to the success of the company.

TECHNICAL SKILLS

SKILLS	C++, C#, Python, Data Structures and Algorithms, Object-Oriented Programming, Electronic Devices and Circuits, PCB Design
Software Applications	Visual Studio Code, Arduino IDE, KiCAD

SOFT SKILLS

- Adaptability
- Team-Work
- Quick Learner
- Time Management
- Problem Solving

EDUCATION

INSTITUTION	DEGREE	YEAR
Sagar Institute of Science and Technology, Gandhinagar, Bhopal	B. Tech	(2021-2025)
D. P. Sanskar Public School, Bhopal – M.P.	12th	(2020-2021)
Christ Memorial Sr. Sec School, Bhopal – M.P.	10th	(2018-2019)

WORK EXPERIENCE

DRMZ-SYSTEM INNOVATIONS PVT. LTD.BHOPAL(MP) - **RESEARCH INTERN** - (AUG-2024 -OCT-2024)

- Developed 10+ embedded systems focusing on IoT solutions using C++, Python and Morey_OS.
- Designed and tested PCB prototypes for communication systems, reducing development time by 20%.
- Worked extensively with various microcontrollers, including ATMEGA 328P, ATMEGA 8A, and ATMEGA2560, to design and implement embedded systems for diverse applications.

PROJECTS

<u>FACE RECOGNITION ATTENDANCE SYSTEM</u>	The Face Recognition Attendance system records attendance of students and faculties by facial recognition. It provides a platform to manage records without any hassle.
<u>REAL-TIME CLOCK</u>	Developed a real-time clock using DS3231 with buzzer and RF communication (Rx/Tx) capabilities, integrated with Morey_OS. This is integrated with Gateway for the synchronization of different automated devices.

INTERNSHIP PROJECTS

IR-BLASTER	Designed and implemented an Infrared blaster to enable remote control functionality for various electronic devices. This acts as a moderator, facilitating communication between different devices and extending their range.
<u>Smart-Home Automation</u>	Designed and implemented a Smart Home Automation system integrating multiple sensors to automate lighting and curtain operations based on occupancy and ambient light conditions.

<u>SR74HC595 Library</u>	Developed a custom library for the 74HC595 shift register tailored for Morey_OS, enabling efficient control of multiple peripherals with minimal GPIO usage.
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ACIEVEMENTS & EXTRA-CURRICULAR ACTIVITIES

- Attended a 7-day workshop on **Python Programming** at SISTec-GN, Bhopal
- Completed an online certification course on “**Introduction to C++**” by Udemy (2024)
- Attended a 11-day workshop on **Web Development** at SISTec-GN

CO-CURRICULAR ACTIVITIES

- Participated in State level Project Exhibition “**10th Bhopal Vigyan Mela 2023**”
- Secured 1st position in Poster Making Competition “**Abhivyakti 2022**” at SISTec-GN
- Co-ordinated a literary event “**Sagar Sahitya 2021**”

PERSONAL INTEREST

- Fitness
- Sketching
- Spiritual Readings