

EDUCATION

- | | |
|---|---------------------|
| • B.Tech (CSE with Specialization in IoT), Sharda University,(GPA: 8.2) | Aug 2022 – Present |
| • 12th Grade, M.D.V.M (Parle) School, (Percentage: 82) | Mar 2021 – Mar 2022 |
| • 10th Grade, M.D.V.M (Parle) School, (Percentage: 83) | Mar 2019 – Mar 2020 |

SKILLS

- **Programming:** Embedded C, Python, Java, SQL
- **Web Development:** HTML, CSS, JavaScript, React.js
- **IoT & Embedded Systems:** Arduino, ESP32, IoT, Raspberry Pi, Embedded Systems
- **Tools & Frameworks:** Git, GitHub, REST APIs
- **Cloud Technologies:** AWS , Google Cloud

PROJECTS

1. **Bluetooth Controlled Car**
 - **Engineered** a wireless vehicle control system using **Bluetooth communication**, enabling **real-time directional navigation** via **mobile app** or serial commands.
 - **Integrated Arduino** with **HC-05 Bluetooth module** and **L293D motor driver**, demonstrating **embedded systems** and **IoT integration** in smart mobility solutions.
2. **Fire Fighting Robot**
 - **Directed development** of a robotic vehicle with **flame sensor** using **cloud-based real-time processing**, reducing response time by **30%** and improving fire response system.
 - **Implemented sensor-based navigation** and **automated extinguishing mechanism**, enhancing emergency responsiveness and **minimizing human risk**.
3. **Kartavya NGO Website**
 - **Led the development** of an interactive platform for Kartavya NGO, focusing on **volunteer engagement** and **event management**.
 - **Designed a responsive UI** with **HTML, CSS**, and **JavaScript**, enabling **seamless volunteer sign-ups**, **real-time event updates**, and **educational seminar outreach**.

EXPERIENCE

1. **Hackathon – Smart Irrigation System** | August 2024 – September 2024
 - Spearheaded **IoT-based system** using **real-time sensors**, **automating** irrigation with **soil moisture & DHT sensors** while **improving agricultural efficiency**.
 - **Integrated IoT modules** (Arduino, sensors) with web interface for **real-time monitoring**, enabling **precise water control** and **resource optimization** in **smart farming**.

CERTIFICATES

1. **Walmart Advanced Software Engineering Job Simulation**
 - **Completed** Advanced Software Engineering Job Simulation, gaining hands-on experience with **data structures**, software architecture, relational databases, and real-world backend system design.
2. **Full-Stack Web Development – Udemy**
 - **Completed** Full-Stack Web Development Course, mastering **HTML, CSS, JavaScript, React.js**, while developing and deploying multiple **responsive**, real-world web applications.
3. **Cisco Networking Academy – Introduction to IoT**
 - **Completed** Introduction to IoT and Digital Transformation, building a solid understanding of IoT systems, digital transformation concepts, and integration of **embedded technologies** in smart solutions.