

EDUCATION

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| • B.Tech (CSE with Specialization in IoT), Sharda University | Aug 2022 – Present |
| • 12th Grade, M.D.V.M (Parle) School, (Percentage: 83) | Mar 2021 – Mar 2022 |
| • 10th Grade, M.D.V.M (Parle) School, (Percentage: 82) | 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, 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 microcontroller** (Arduino) with motor driver and **Bluetooth module(HC-05)**, allowing seamless user interaction and showcasing **embedded systems** and **IoT integration in mobility** solutions.
2. **Fire Fighting Robot**
 - Directed development of an **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, **improving** emergency responsiveness and **minimizing human risk**.
3. **Kartavya NGO Website**
 - **Led development** of an informational and engagement platform for **Kartavya NGO**, where volunteers educate underprivileged students and host events.
 - Designed a **responsive UI using HTML, CSS, and JavaScript**, enabling volunteer sign-ups, event updates, and health seminar promotions for **maximum 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 Certification** | [LINK](#)
 - **Completed** Advanced Software Engineering Job Simulation, gaining hands-on experience with **data structures**, software architecture, relational databases, and real-world backend system design.
2. **Udemy Certification** | [LINK](#)
 - 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** | [LINK](#)
 - 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**.