KUMMARI SAMYUKTHA

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B.Tech - Artificial Intelligence

LinkedIn | GitHub | LeetCode

Sardar Vallabhbhai National Institute of Technology, Surat

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., AI	Sardar Vallabhbhai National Institute of Technology, Surat	8.7(Current)	2023-Present
Higher Secondary	TSBSE Board	98.1%	2023
Secondary	CBSE Board	87%	2021

PROJECTS

- **Omni-Directional Mobility bot** *Jul. 2024 - Sept. 2024*

  Makernova 2.0 - 2024 conducted by DRISHTI , NIT Surat GitHub

  ◦ This Project involved implementation of a 4-wheel omni-drive mechanism controlled a web GUI and PS4 controller

  ◦ Developed using ESP32,Omndirectional wheels,planetory motors and Software implementation invovles HTML,CSS,Javascript to develop GUI to control the robot with precise movements in all directions

  ◦ Focusing on the unique mobility offered by omnidriectional wheels and used kinematics and inverse kinematics including vector calculations for the motion and system control.

- **Forestry Website** *Jul. 2024- Aug. 2024*

  Web-Wonders-2024 conducted by Nexus cell,Nit Surat Website | GitHub

  ◦ Designed using HTML,CSS and Javascript

  ◦ In this website,there is specialized features like treeequity score and quiz for the users were uniquely presented to increase their knowledge on Forest department

  ◦ Information regarding sancturies available in particular area and the recent activities done to promote afforestation were added.

- **Joystick-Car-Controller** *Nov. 2024 - current*

  conducted by NSS ,NIT Surat

  ◦ It's an ongoing project. So far we have designed the bot's basic circuit outline and implemented key functionalities. It can analyze and decide the next steps when encountering obstacles, operate smoothly even under minor weight loads, and efficiently transmit signals through sensors. These signals are directly accessible via the joystick, ensuring intuitive control

SKILLS

- **Computer Languages**: Python, C, C++, HTML, CSS, Javascript, MySQL,Core Java, Arduino ide
- **Computer Science**:Data Structures, Database Management Systems, Computer Networks, Design and Analysis of Algorithms

CERTIFICATIONS

- **Issuing Organization Nexus,NIT Surat**, Participated in CODE-WARS at Techno-Managerial Extravaganza March 2024
- **Issuing Organization NSS ,NIT Surat**, Runner-ups in Unity day games *September 2024*

ACHIEVEMENTS

- Participated in KHO-KHO Nationals 2024 (Inter-Nit) at Nit Warangal.
- Best player medal in Cricket(Intra-department) 2023
- Two-time gold medalist in High-jump,Shot-put,Relay-race during 2020

POSITIONS OF RESPONSIBILITY

- **Executive,** ACM club, NIT surat *October 2024*
- **Team Member,** Dristi, NIT surat *Aug 2024*
- **Technical team member,** NSS, NIT surat *Aug 2024*