

SUSHANT PRASAD

🏠 Motihari, Bihar

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DOB: 16th Feb, 2004



EDUCATION

- Bakhtiyarpur College Of Engineering, Patna, India**
Bachelors In Technology in Electrical and Electronics Engineering
Dec 2021- Present
CGPA: 7.70
- Jeewan Public School, Motihari, India**
Intermediate, PCM
Apr 2019 - Mar2021
Percentage: 88.2
- DAV Public School, Motihari, India**
Matriculation
Apr 2018 - Mar2019
Percentage: 93.2

EXPERIENCE

- Campus Ambassador @ Emertxe | [Certificate](#)**
Achieved LOR for becoming the diamond performer in campus ambassador role from my college campus.
Enhanced my skills like public speaking, management, teamwork, collaborative, and customer service job roles.
July 2023 - Sept 2023
- 10 days(40 hours)Bootcamp on drone and allied technology by C-DAC Patna. | [Certificate](#)**
Gained theoretical and practical knowledge about drones and presented a presentation about “How drones can be savior in mining industry”
Feb 2023 - Mar 2023

PROJECTS

- Home Automation Project | [Certificate](#)**
Completed one month internship provided by the @Emertxe. In this internship, I completed IoT based home automation project controlled with Blynk app which includes water flow control in tank, LEDs control using LDR sensor, LCD interfacing to show output and temperature control system. Simulator used- PicSim Lab. Software Used- Arduino IDE, Blynk App and cloud.
- Micromouse Robot**
Prepared a Arduino UNO based robot using ULTRASONIC sensors which can travel through the puzzled path. Software used - Arduino IDE.
- Pick and Place Robot**
Prepared a robot capable of doing pick and place an object using teleoperation for India Skills 2024. I used Arduino UNO as microcontroller and servo motor for making gripper and Arduino IDE for programming.

ACHIEVEMENTS

- Selected as finalist in SIH2024 Hardware Edition PS ID- 1584, Teamlead**
AI based acoustic wave monitoring of rail defects like cracks, fracture and prediction for rail wear, quality along with other parameter under Ministry of Housing and Urban Affairs
- Recognized Competitor, IndiaSkills Nationals 2024 – Autonomous Mobile Robotics | [Certificate](#)**
Competed in the Autonomous Mobile Robotics skill category, representing Bihar at IndiaSkills Nationals 2024 at IICC Yashobhoomi, New Delhi (May 15-19). Received formal recognition from the Ministry of Skill Development and Entrepreneurship for outstanding involvement in the Autonomous Mobile Robotics competition, organized by NSDC.
- Gold Medal Recipient, Autonomous Mobile Robotics – Bihar Skills Competition | [Certificate](#)**
Received the prestigious Gold Medal for Autonomous Mobile Robotics by the Hon'ble Minister Shri Santosh Kumar Singh on behalf of the Department of Labour Resources, Bihar during World Youth Skills Day on July 15, 2024, competition organized by the Bihar Skill Development Mission with B.P. Mandal College of Engineering, Madhepura as a supporting organization on March 20, 2024 for the selection of IndiaSkills 2024.
- Techfest Winner | [Certificate](#) | [Certificate](#)**
Led the team and won 3rd prize in micromouse competition at IIT Guwahati techfest in 2023 and 1st prize in micromouse competition in techfest of IIT-ROORKEE in 2024 and also participated at IIT Patna techfest 2023 in LFR competition and Robo sumo competition in techfest of IIT Patna 2022.
- Obtained A grade in skill development program on Internet of things(IoT) and Embedded system conducted by the iHUB Divya Sampark at IIT Roorkee in association with DST, Bihar. Here, I learned about Tinkercad software and different sensors interfacing with Arduino UNO and about IoT. | [Certificate](#)**
- Selected in internal hackathon for SIH 2023 .**

Position of Responsibility

- Secretary , Droid Champs, Robotics Club at BCE, Patna | [Certificate](#)**
Progressed through roles from Volunteer to Coordinator, now serving as Secretary for the current year.
Manage and oversee the club's social media pages, lead educational sessions on robotics, and mentor students in projects and techfest competitions.
Key member of Yantriksha '23 as Coordinator for the club's first techfest, followed by serving as Event Head for Yantriksha '24, where I led event planning and execution.
2024 - present
- Class Representative , EEE Department, 21 Batch**
Serve as the primary contact between faculty and students, facilitating communication and coordinating departmental updates and activities for the EEE 2021 batch.
2021- present

SKILLS

- Programming Language: C , Python (elementary)
- Software: Tinkercad , PicSim Lab , Arduino IDE, ROS2(beginner)
- Hardware: Arduino UNO, Arduino Mega, Arduino Nano and many sensors
- Social media management, team management, leadership, problem- solving, project management and multi-tasking