

Nitish Kumar Pradhan

✉ nitishpradhan046@gmail.com

☎ +91-7978851113

in linkedin.com/in/nitish-pradhan-42b0271bb/

🐙 github.com/nitishpradha



Objective

A challenging position in a progressive organization that will utilize my talents and provides me with an opportunity for personal and professional growth.

Academics

Qualification	University / Board	Year	Percentage
B.Tech (ECE)	NIST (National Institute of Science and Technology) Odisha, India	2023	9.03(CGPA)
Intermediate	Saraswati Vidya Mandir, Odisha, India	2018	82 %
10 th	Saraswati Sishu Vidya Mandir, Odisha, India	2016	91.5%

Technical Skills

Programming languages : C, Java

Scripting languages : Python

IoT : Arduino, ESP32 Cam, ESP8266, Raspberry Pi

Software &Tools : PROTEUS, Tinker cad

Soft Skills



Problem Solver



Analytical



Collaborator



Communicator



Innovator

Projects

Title	Technology	Year
Forest Fire Detection and Prevention	IoT	Oct 2022
Smart Attendance using RFID	IoT	April 2022
Mathopia	IoT	Jan 2022
Reverse Car Parking	IoT	Oct 2021
Smart Electrolytic Monitoring System	Electronics, IoT	Sept 2021
Home Automation System	IoT, Embedded System	June 2021

Final Year Project

Name: Forest Fire Detection and Prevention

Duration: 4 Months

Team Size: 3

Technology: IoT, Raspberry Pi, sensors (MLX90614, MQ6), GPS, Cloud

Role: Responsible for coding of sensor interfacing using IoT and module designing

Description: The main objective of this project to create a protection system based on IoT to provide top-notch security with cutting-edge technology. Mainly it is composed of Raspberry Pi, cloud-based architecture, and array of advanced sensors such as the MLX90614, MQ6, and fire sensor. This system leverages the power of advanced sensors to detect fire early and prevents potential damage or loss. Additionally, a mechatronics robot is incorporated to further enhance the prevention technique, ensuring maximum protection.

Training & Certifications

- **Java development** from **It World Education**.
- Introduction to the **Internet of Things and Embedded System** from **Coursera**.
- 7day **Python and Machine Learning** Bootcamp with **ShapeAI**.
- Online course on the **Internet of Things** with **Teachnook**.
- Online course on “**Embedded System Design Using ARM**” from **NPTEL**.

Achievements

- Executive core member at “**Electronics Hobby Club**”, NIST, July 2021- April 2023.
- Mentor of **ELECTRONICS WORKSHOP** Event for 2nd Year students at NIST in Oct 2021.
- Mentor of **ELECTRONICS WORKSHOP** Event for 1st Year students at NIST in June 2022.
- Participated in **SIH 2022** as a leader and made it up to the Semi-Finals.

Personal Details

- **Date of Birth** : 22nd Aug. 2000
- **Father's Name** : Subash Chandra Pradhan
- **Address** : Siddharth Nagar 2ND Lane, Berhampur, Odisha
- **Languages** : English, Hindi, Odia