




Bikash Narayan Panda

Being a developer I have around 4+ years of hands on experience in IOT, Smart Micro Grid & Embedded System Integration and Implementation. Technology always fascinates me and making my home smart is one of my primary hobbies. I also post blog/make videos on IoT and Embedded System.

 [bikashnpanda.github.io/](https://github.com/bikashnpanda)

 oksbn@gmail.com


 9439 421 905

 Banaswadi, Bengaluru, INDIA

 [@geekybikash](https://twitter.com/geekybikash)  [wEargenius](https://www.youtube.com/channel/UCwEargenius)  [in/oksbn](https://in.linkedin.com/in/oksbn)

ITC InfoTech

Associate IT Consultant

 01 Apr-2019- Now



 [itcinfotech.com](https://www.itcinfotech.com)
 Bengaluru, Karnataka

Working on backend side in Thingworx. IoT device integration with Thingworx and backend management that includes Servers and other tools.

Element14 INDIA Pvt. Ltd.

Application Engineer

 01 Jan-2018- Mar-2019

 [element14.com](https://www.element14.com)
 Bengaluru, Karnataka

Content/Article on various technologies for Element14 Community Website and forthings.io website. It also involves designing projects including Embedded System and IOT to demonstrate the application of different categories of products

NIST Technology Consulting Services

Embedded System Developer

 01 Jul- 2014-Dec-2017

 [ntcsindia.com](https://www.ntcsindia.com)
 Berhampur, Odisha

Responsible to design and develop IOT based products. Worked on projects starting from survey to commissioning.

National Institute of Science and Technology

M. Tech, Electronics and Communication

 01 2014  [nist.edu](https://www.nist.edu)
CGPA: 8.6

Active member on industrial research projects. Guided graduate students in their projects.

Publications:

- Implementation of a smart grid system to remotely monitor, control and schedule energy sources using Android based mobile devices. "Industrial and Information Systems (ICIIS), 2014 9th International Conference on IEEE-2014.
- Implementation of a Web of Things based Smart Grid to remotely monitor and control Renewable Energy Sources." Electrical, Electronics and Computer Science (SCEECS), 2014 IEEE Students' Conference on IEEE -2014.

PKA College of Engineering

B. Tech, Electronics and Telecommunication

 01 2011  [element14.com](https://www.element14.com)
CGPA: 7.3

Founded Robotics Club. Organizer Tech-fest

Asset Advisor

Keysight Technologies Limited

 [assetadvisor.keysight.com](https://www.assetadvisor.keysight.com)

The project is all about a Thingworx based solution where in the devices (T&M Instruments) send data to the cloud where the data is used to analyze utilization of the device to properly plan purchase decisions.

30Kw Smart Nano Grid

OREDA, Odisha and Wärtsilä India Private Limited

 [smartnanogrid.net/SmartVillageNanogrid/](https://www.smartnanogrid.net/SmartVillageNanogrid/)

A smart Nano Grid comprising of 30 Kw solar power plant and providing supply to 115 homes in Chotkei Village, Odisha. The smart grid is equipped with completely autonomous stem to make it hassle-free to operate. The grid is connected to internet by using a Satellite internet connection. The smart grid features automatic billing, smart scheduling, overload detection and many safety features.

1st prize in Smart Village Category, Smart City EXPO 2016, India

Area of Interest

IoT, Smart Grid, Smart City, Home Automation

Skills

Javascript, JAVA, C, C++, IoT, Content Creation

Protocols

I2C, SPI, UART, MODBUS, AT Command Sets, TCP/IP Using mbed, Rs-485, BLE, MQTT, REST, LoRa, JSON RPC

Familiar With

Android, Lua, Python, HTML, PHP, CSS, JavaScript, XML, JSON, MATLAB, MySQL, SQLite, PostgreSQL, React, Solr, Shell Scripting

Software Tools

Eclipse (ULK), Code Composer Studio, Eclipse, Android Studio, Arduino, AVR Studio, MP Lab, Keil, MBED, Google Sketch Up, Trello, Notepad++ (Editor), Visual Studio Coder, Atom, OpenHAB (Home Automation), Thingspeak, TTN, Cadsoft Eagle, Fritzing, Grafana, Node-RED, Prometheus

Hardware Platforms

Atmega16, 8051, PIC16F877A, ARM Based Boards (LPC1768, LPC2148), Wipro ULK board, Arduino, Beagle board XM, Beagle bone black, Raspberry Pi, MBED, ESP8266 (Lua),BBC Micro: Bit, Nano Pi, Orange Pi, Codebug, Sonoff Dev. Board, Onion Omega, Linkit Smart 7688, Banana pi D1,ESP32, Blend

Software Platforms

Thingworx, AWS IoT

Version Control

Bitbucket, GitHub, GitLab


Water Distribution System for Firms

 JK Paper Limited

 nanosoftremote.com


 [Rayagada, Odisha](#)

Energy Monitoring System

 PoinTec Pens and Energy Pvt.

 nanosoftremote.com

 [Bengaluru, Karnataka](#)

 Seshaasai E Forms Private Limited

 [Bengaluru, Karnataka](#)

 Orange County Resorts

 [Kabini, Karnataka](#)

 FOURESS Engineering (INDIA) Ltd.

 [Bengaluru, Karnataka](#)

Water Quality Monitoring and Flow Control

 nanosoftremote.com

 Indo-MIM Pvt. Ltd

 [Bengaluru, Karnataka](#)

 Orange County Resorts

 [Kabini, Karnataka](#)

Hybrid Power Plant Monitoring System

 nanosoftremote.com


 National Institute of Science and Technology  [Berhampur, Odisha](#)

 OREDA

 [Secretariat, Odisha](#)

PLC Connected Plant Monitoring

 nanosoftremote.com

 PoinTec Pens and Energy Pvt. Ltd.



 [Bengaluru, Karnataka](#)

 Seshaasai E Forms Private Limited

 [Bengaluru, Karnataka](#)

Fleet Tracking System


 vtslive.in



 National Institute of Science and Technology  [Berhampur, Odisha](#)

 CV Raman College of Engineering  [Bhubaneswar, Odisha](#)

 Silicon Institute of Technology  [Bhubaneswar, Odisha](#)

Articles



 [IoT and Security](#) 

 [Single Board Computers](#) 

 [The CoAP Protocol](#) 


 [How to Place an Antenna for Optimal RF Performance](#) 

 [SigFox -- A Wide Area Network Protocol for IoT](#) 

 [Advanced Message Queuing Protocol \(AMQP\)](#) 

Projects

 [Twitter Sentiment analyzer with Pi and TensorFlow](#)

 [Electronic Components sorter using Pi and Nanonets](#)

Personal Details

PAN: BPUPP8284F

Marital Status: Married

Permanent Address

S/o- Krutibas Panda
SBI Road, Sonapur
Subarnapur, Odisha
INDIA-767017

Website/Blogs

 [SBCFinder](#)  sbcfinder.com

A website or kind of database for all type of Single Board Computers. It lets user compare SBCs one to one. With almost 150+ SBCs to compare and 510K hits.

 [WeArGenius](#)  weargenius.in

A blog where I publish all my spare time activities with electronics ad my home automation system.

 [YouTube](#)  youtube.in/weargenius

YouTube Channel where I publish tutorials on IoT and Embedded system.along with Home Automation.

700K+ Views, 3K+ Subscribers