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| C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | [**bikashnpanda.github.io/**](https://bikashnpanda.github.io/) | | | | |
| gmail | oksbwn@gmail.com | | | telephone | 9439 421 905 |
| C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\pin (1).png | Banaswadi, Bengaluru, INDIA | | | | |
| C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\network.png | [@geekybikash](https://twitter.com/geekybikash/) | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\youtube (1).png | [weargenius](https://youtube.com/weargenius) | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\linkedin (1).png | [in/oksbwn](http://www.linkedin.com/in/oksbwn) |

**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.

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| **ITC InfoTech** | | | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | [***itcinfotech.com***](https://www.itcinfotech.com/) |
| **Associate IT Consultant** | C:\Users\user\Downloads\calendar.png | *Apr-2019- Now* | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\pin (1).png | *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.** | | | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | [***element14.com***](http://www.element14.com) |
| **Application Engineer** | C:\Users\user\Downloads\calendar.png | *Jan-2018- Mar-2019* | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\pin (1).png | *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** | | | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | [***ntcsindia.com***](http://www.ntcsindia.com) |
| **Embedded System Developer** | C:\Users\user\Downloads\calendar.png | *Jul- 2014-Dec-2017* | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\pin (1).png | *Berhampur, Odisha* |
| *Responsible to design and develop IOT based products. Worked on projects starting from survey to commissioning.* | | | | |

Area of Interest

**IoT, Smart Grid, Smart City, Home Automation**

Version Control

Thingworx, AWS IoT

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| **National Institute of Science and Technology** | | | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | [***nist.edu***](http://www.nist.edu) |
| **M. Tech**, Electronics and Communication | C:\Users\user\Downloads\calendar.png | *2014* | | 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** | | | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | [***element14.com***](http://www.element14.com) |
| **B. Tech**, Electronics and Telecommunication | C:\Users\user\Downloads\calendar.png | *2011* | | CGPA: **7.3** |
| *Founded Robotics Club. Organizer Tech-fest* | | | | |

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| **Asset Advisor** | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | **assetadvisor.keysight.com** |
| Keysight Technologies Limited | | |
| *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** | C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ui-design.png | **smartnanogrid.net/SmartVillageNanogrid/** |
| [OREDA, Odisha](http://www.oredaodisha.com/) and Wärtsilä India Private Limited | | |
| *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*** | | |

Familiar With

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

Software 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

Hardware Platforms

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

Software Tools

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

Protocols

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

Skills

Bitbucket, GitHub, GitLab

**PAN:** BPUPP8284F

**Marital Status:** Married

**Permanent Address**

S/o- Krutibas Panda

SBI Road, Sonepur

Subarnapur, Odisha

INDIA-767017

Personal Details

PoinTec Pens and Energy Pvt. Ltd.

****

*Bengaluru, Karnataka*



[*nanosoftremote.com*](http://ww.nanosoftremote.com)



**Energy Monitoring System**

JK Paper Limited

****

*Rayagada, Odisha*



[*nanosoftremote.com*](http://ww.nanosoftremote.com)



**Water Distribution System for Firms**

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

National Institute of Science and Technology

****

*Berhampur, Odisha*



Orange County Resorts

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*Kabini, Karnataka*



*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.*

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

*700K+ Views, 3K+ Subscribers*

youtube.in/weargenius

YouTube



[](https://youtube.com/weargenius)

weargenius.in

WeArGenius



[](https://weargenius.in)

Electronic Components sorter using Pi and Nanonets



Twitter Sentiment analyzer with Pi and TensorFlow



**Projects**

Advanced Message Queuing Protocol (AMQP)



[](https://www.element14.com/community/docs/DOC-91119/l/tech-spotlight-advanced-message-queuing-protocol-amqp)

How to Place an Antenna for Optimal RF Performance



[](https://www.element14.com/community/docs/DOC-91233/l/tech-spotlight-how-to-place-an-antenna-for-optimal-rf-performance)

SigFox -- A Wide Area Network Protocol for IoT



[](https://www.element14.com/community/docs/DOC-90814/l/tech-spotlight-sigfox-a-wide-area-network-protocol-for-iot)

The CoAP Protocol



[](https://www.element14.com/community/docs/DOC-90554/l/tech-spotlight-the-coap-protocol)

Single Board Computers



[](https://www.element14.com/community/docs/DOC-89846/l/element14-essentials-sbc-single-board-computers)

IoT and Security



[](https://www.element14.com/community/docs/DOC-91377/l/element14-essentials-iot-security)

**Articles**

sbcfinder.com

SBCFinder



[](https://sbcfinder.com)

Silicon Institute of Technology

****

*Bhubaneswar, Odisha*



CV Raman College of Engineering

****

*Bhubaneswar, Odisha*



National Institute of Science and Technology

****

*Berhampur, Odisha*



[*vtslive.in*](http://vtslive.in/nist/)



**Fleet Tracking System**

Website/Blogs

Seshaasai E Forms Private Limited

****

*Bengaluru, Karnataka*



PoinTec Pens and Energy Pvt. Ltd.

****

*Bengaluru, Karnataka*



[*nanosoftremote.com*](http://ww.nanosoftremote.com)



**PLC Connected Plant Monitoring**

OREDA

****

*Secretariat, Odisha*



[*nanosoftremote.com*](http://ww.nanosoftremote.com)



**Hybrid Power Plant Monitoring System**

Orange County Resorts

****

*Kabini, Karnataka*



[Indo-MIM Pvt. Ltd](http://www.indo-mim.com/)

****

*Bengaluru, Karnataka*



[*nanosoftremote.com*](http://ww.nanosoftremote.com)



**Water Quality Monitoring and Flow Control**

FOURESS Engineering (INDIA) Ltd.

****

*Bengaluru, Karnataka*



Seshaasai E Forms Private Limited

****

*Bengaluru, Karnataka*

