

Binay Kumar Pradhan

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[\[GitHub Repo\]](#) [\[LinkedIn\]](#) [\[Web\]](#)



EDUCATION:

Bachelor of Technology in Information Technology 2015 - Current
International Institute Of Information Technology, Bhubaneswar, Major- IT, CGPA - 7.54/10.0
Intermediate/+2 from CHSE 2012 - 2014
Kalinga Bharati Residential College, Cuttack, Percentage - 70.8%
Matriculation from ICSE 2007 - 2012
St Mary's School, Barbil, Percentage - 91%

EXPERIENCE:

Research Intern - IDRBT Hyderabad Summer 2018

- Dataset preparation and Developing Deep learning POS Tagger tools for code-mixed scripts [\[Elsevier Journal to be published\]](#)
- Mentor: Asst. Prof. Nagesh Bhattu Sristy, IDRBT- Hyderabad

PROJECTS:

Academic:

Micro controller Project IIIT Bhubaneswar, Spring 2018

- Interfacing Ultrasonic sensor and Arduino to control PC applications through hand gestures.
- Tech Stack: -Hardware: Ultrasonic Sensor, Arduino ; Python, Embedded C. [\[Abstract\]](#)

Networking Project IIIT Bhubaneswar, Spring 2018

- Performance evaluation in Network layer of OSI/ISI involving ECC encryption of data for secure transmission.
- Tech stack: tcp, NS2, NAM. [\[GitHub\]](#) [\[Conference Draft\]](#)

Database and Management System Project IIIT Bhubaneswar, Fall 2017

- The project was to build query based website that helps farmers to take calculated decisions to keep their harvested crops in cold storage facility and sell to market.
- Tech stack: Python, Django, PostgreSQL, HTML, CSS, Bootstrap. [\[GitHub\]](#)

Digital electronics Circuit Project IIIT Bhubaneswar, Spring 2017

- Creating a low cost pattern lock security system in Hardware and testing it through simulation.
- Tech stack: - Hardware: IC, DIP Switch. [\[Simulation\]](#)

Analogue Electronics Circuit Project IIIT Bhubaneswar, Spring 2016

- WIFI enabled speaker prototype for streaming music to speakers.
- Tech Stack: Embedded C, Arduino. [\[Abstract\]](#)

Hackathon:

Smart India Hackathon Kolkata Zone, 2018

- WebApp to visualise disaster & learn from historical data and thereby suggest areas of improvement.
- Tech stack: PHP, MySQL, Google-map Api, Python, Tensorflow, HTML5, CSS, JS, Bootstrap. [\[Slides\]](#)

Dell codefest Bhubaneswar, 2017

- A theoretical and working model to classify shirt from other apparel and thereby predicting its size in real-time.
- Tech stack: Python, Scikit-learn, TensorFlow. [\[GitHub\]](#)

IOT Hackathon Cebit Bangalore, 2016

- Participated and worked on a Automated Bot Prototype to recognise terrain and path.
- Tech stack: Embedded C, Intel Edison R2 kit

Other:

Advaita - TechNova project IIIT Bhubaneswar Tech-Fest, 2018

- Real time object detection & classification (specifically- person) and get the OCR of licence plate of vehicle.
- Tech stack: Python, openCV, TensorFlow. [\[Slides\]](#)

Network System and Security Project IIIT Bhubaneswar System Security Course, 2016

- Analysed an anti-virus model based on techniques of machine learning.
- Tech stack: Python, Scikit-learn. [\[GitHub\]](#)

State Level Science Exhibition Kalinga Bharti Residential College, 2015

- Participated in the exhibition to create a model in C language that recognised many known category of number system under supervision of HOD of IT.

ACHIEVEMENTS:

Finalist in Smart India Hackathon Kolkata Zone, 2018
Software edition hackathon organised by Govt. Of India in 29 zones throughout India.

Awarded 3rd in Rangmanch IIT Kharagpur, 2018
Rangmanch, a dramatic competition organised by IIT Kharagpur under all India university level

Among top 3 of Best Idea in Dell Codefest IIIT Bhubaneswar, 2018
Hackathon organised by Dell under theme of AI, AR/VR and Blockchain. Our team Nexus implemented an idea under AI category targeting e-commerce.

AREA OF INTERESTS:

- Machine Learning and Deep Learning, Bio-Informatics, Computer Vision, Operating System and Network Security, IOT.

EXTRA CURRICULAR ACTIVITIES:

- Member of IIIT University basketball team since 2016.
- Completed two 10k and one 20k Marathon Sprint.
- Theatre acting and Adventurous sports (Trekking, Water Sports).