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
- 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: tcl, 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 to stream 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 where more than 25 teams participated.
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 Applications, Bio-Informatics, Operating System and Network Security,IOT.

EXTRA CURICULAR 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).

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