

DIPAYAN ROY | RESUME

- » **Status:** Student at IIT Bhubaneswar, Undergraduate of Computer Science from School of Electrical Sciences
- » **Skills:** C, Python, Java, C++, Database(SQL,My-SQL,Oracle), PHP, HTML, Javascript, CSS
- » **Interests:** Cryptography, Operating Systems, Database Management, Data Analytics, Algorithms, Networking, Machine Learning
- » **Activities:** Football, Table Tennis, Cricket, Basketball, Reading, Music, Coding



»»» About Me

Passionate coder who likes to invest his time on knowing about cutting edge technologies. Also dedicated and motivated engineering undergraduate seeking internship opportunity, eager to get exposures to real-world client challenges and solutions, also work side-by-side a dedicated team to get exposures to international projects and solve some existing problems.

»»» Projects

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|--|------------------------------------|-----------------|
| '17/02 - now | BT Project | IIT Bhubaneswar |
| <ul style="list-style-type: none">» Topic: Pen-Tablet-Interface based handwriting recognition system» Use a pattern recognition - machine learning technique to come up with an workable module to recognise a given handwriting manuscript» Some features includes use of stylus for online recognition of characters or use of camera as scanner to get input of handwriting for off-line input,transcribing a language message represented in a spatial form of graphical marks into a computer text,using pattern recognition to build a robust and reliable recognition system.» The project is in its building stages and needs lots of careful implementation of re-researches as it is one of growing field of interests recently» This project is being supervised by Prof. Dr. NB Puan | | |
| '16/08 - '16/12 | Database Management Project | IIT Bhubaneswar |
| <ul style="list-style-type: none">» The aim of this project was to built an on-line ticketing system of Indian railways» Some features included data abstraction and independence, implementation of Data security, a locking mechanism for concurrent access, use of Processes and Triggers for efficient data handler, robust data integrity capability, introduction of uniform administration procedures for data, simple access using a standard API» Languages used were HTML, PHP, CSS, Javascript, Database(My-SQL), Server(XAMPP)» This project was done under the guidance of Asst. Prof. Dr PL Bera and Batakrishna Tripathy(TA) in group of 2. | | |
| '15/08 - '15/12 | Seminar Project | IIT Bhubaneswar |
| <ul style="list-style-type: none">» Seminar presentation on the detailed study of "Happy Birthday Paradox" and the modus operandi of Birthday Attacks» The main aim was to extensively study a cryptographic attack that exploits the mathematics in probability theory and showing a relative study on its probability of being exploited.» This project was supervised by Prof. DP Dogra | | |

Education

2014 - 2018	Bachelor of Technology, Major-Computer Science	IIT Bhubaneswar
	<ul style="list-style-type: none">Expected CGPA: 6.53/10 (including laterals)Major Courses: Operating Systems, Computer Networks, Database Management Systems, Programming Languages, Design and Analysis of Algorithms, Formal Automata Theory, Digital Hardware Design and Computer Architecture, Discrete Mathematical Structures.Lateral Courses: Digital Signal Processing, Signal and Systems, Electrical Technology, International Business, Managerial Economics, English for Communication/Learning English.Participated in various technical competitions like Remote Control Car, Robo Kick-Off, etc	
2012 - 2014	Higher Secondary, Science	Shiv Jyoti Sr. Sec. Convent School
	<ul style="list-style-type: none">Board: CBSEPercentage: 87.8%Awarded merit scholarship in intermediate studies for above 90% marks in matriculation.	
2012	Secondary	Modern English Academy
	<ul style="list-style-type: none">Board: ICSEPercentage: 91.6%Represented school in different inter-school debates, General Knowledge competitions, National and International Olympiads.	

Position of Responsibility

- Presently Working as **Event Management and Hospitality Core Head** at Wissenaire 2017, The Annual Techno - Management fest of IIT Bhubaneswar.
- Former **Wing Councillor of Hostels** at IIT Bhubaneswar.
- Former **core team member** of Events Management Team, Wissenaire-2016
- Member of the **organising team** of Hostel Day, Institute Day, Fresher's and Farewell's Party

Extracurricular Activity

- Actively taken part in fitness and sports, mainly in playing **Soccer**, represented the college in many inter-college tournaments and matches.
- Have actively taken interest to contribute towards the society through **Souls-for-Solace**, the social welfare society, which takes up initiative to help the society by donating the need.
- Have actively taken part in Fine Arts Society, **Kalakriti**, contributed many drawings, doodles and designs for decorations on various special occasions.
- Contributing to the society by teaching the underprivileged kids in primary/middle schools under '**Unnyat-Bharat-Abhiyan**' and cleaning up the streets under '**Swatch-Bharat-Abhiyan**'.