

Ashis Pradhan



PERSONAL DATA

PLACE AND DATE OF BIRTH: Berhampur, Odisha | 06 January 1999
ADDRESS: 2nd Lane, Ayodhya Nagar, Berhampur, Odisha - 760004
PHONE: +91 8249388544
EMAIL: ashispradhan10@gmail.com

EDUCATION

2023-PRESENT	M.Tech. Degree in ELECTRICAL ENGINEERING National Institute of Technology, Rourkela CGPA: 7.78/10.0	 Gradecard
SEPT 2021	B.Tech. Degree in ELECTRICAL AND ELECTRONICS ENGINEERING Sambalpur University Institute of Information Technology, Burla CGPA: 8.67/10.0	 Gradecard
MAY 2016	Intermediate in SCIENCE and MATHS CBSE: Prabhujee English Medium School, Bhubaneswar Percentage: 64%	
MAY 2014	Matriculation ICSE: Sunabeda Public School, Sunabeda Percentage: 79%	

SKILLS

General Programming:	C, C++, PYTHON
Operating Systems:	WINDOWS, LINUX
Softwares:	MATLAB, TABLEAU, EXCEL, SQL
Languages:	ENGLISH, HINDI, ODIA

WORK EXPERIENCE

MAY-JUNE 2019	Summer Intern at HINDUSTAN AERONAUTICS LIMITED, Sunabeda <i>Maintenance Department, Sukhoi Engine Division Supervisor: Sri V Jagadeesh, Manager</i> Conducted an extensive study on "CNC Machine & the implementation of Programmable Logic Control (PLC) in CNC machine operations", exploring its efficiency and applications within the aerospace industry.
MAY-JUNE 2018	Summer Intern at CENTRAL TOOL ROOM AND TRAINING CENTRE, Bhubaneswar Undertook an intensive course in Electrical CAD encompassing AutoCAD 2D drafting, 3D Modeling, Panel Designing, PLC Positioning Schematic report designing, Machine Wiring, ECAD application and components, Control, and Power Circuit.
MAY-JULY 2018	Summer Intern at BHARAT SANCHAR NIGAM LIMITED, Bhubaneswar Engaged in an immersive internship focusing on Basic Telecom, gaining practical exposure to telecommunications systems, protocols, and their fundamental applications.

PROJECTS

SEPT 2024	Working on RISK HEDGING CONTRACTS FOR ELECTRICITY MARKET USING AI/ML MODELS <i>M. Tech Project</i> Developed a risk-hedging mechanism by predicting electricity prices using AI/ML models (CNN-LSTM) and dynamically setting strike prices and premiums for four consumers: risk-neutral, risk-averse, risk-seeking, and AI-based. Optimized retailer profit by tailoring contracts to each consumer's risk profile.
JAN 2024	Working on ELECTRICITY PRICE FORECASTING USING AI/ML MODELS <i>M. Tech Project</i> Used the different Deep Learning models to predict electricity prices. The model captured key patterns from historical data to improve forecasting accuracy and aid decision making in the energy market.
MAY 2021	Project on EV & PV INTEGRATION PROJECT USING MATLAB <i>B. Tech Project</i> Explored the impact of integrating Electric Vehicle (EV) charging stations with Photovoltaic (PV) generation on distribution networks. Utilized MATLAB software for comprehensive analysis.
FEB 2020	Project on SOLID PROPELLANT ROCKET MODEL PROJECT <i>B. Tech Project</i> Successfully engineered a solid propellant rocket model achieving an impressive altitude of 1.2 kilometers, demonstrating expertise in aerospace engineering and project execution.
DEC 2017	Project on NODEMCU CONTROLLED VEHICLE <i>B. Tech Project</i> Engineered an Android phone controlled vehicle implementing the rocker bogie mechanism, utilizing NodeMCU for seamless hardware integration and control.

ACHIEVEMENTS

FEB 2022	DIRECTOR'S AWARD Winner Received the prestigious Director's Award for securing the first position in the order of merit among the B. Tech Electrical and Electronics Engineering (EEE) students graduating in 2021 from Sambalpur University Institute of Information Technology.
FEB 2018	SCIENCE EXHIBITION CUM SEMINAR ORGANISED BY SAMBALPUR UNIVERSITY Winner Awarded the first prize for the best project in the Science Exhibition cum Seminar on National Science Day, organized by Sambalpur University in 2017.

SCHOLARSHIPS AND CERTIFICATES

CERTIFICATES

AUG. 2023	MHRD Scholarship in Master of Technology
JUNE 2018	Completed a course on MATLAB & Simulink from CTTC, Bhubaneswar.
MAY 2018	Completed a course on Electrical CAD from CTTC, Bhubaneswar.
MAY 2018	Completed a course on Internet of Things from CTTC, Bhubaneswar.

INTERESTS AND ACTIVITIES

Machine Learning, Deep Learning, Programming, Robotics, Rocketry
Event Management, Team Lead
Cricket, Football, Travelling