



INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR

भारतीय प्रौद्योगिकी संस्थान, भुवनेश्वर

Gourav Barnwal

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EDUCATION

B. TECH | Mechanical Department | 2016-20 | IIT BHUBANESWAR

- CGPA: 7.26

AISSCE (CLASS 12) | 2015 | BHAGAT P. SR. SEC. SCHOOL, KOTA

- Percentage: 75.2

AISSCE (CLASS 10) | 2013 | PT. B P SARASWATI VIDYA MANDIR, BOKARO

- CGPA: 9.6

PROJECTS

VIOLENCE DETECTION ON MULTIMEDIA (MAY 2019 – JULY 2019)

- Worked under Saurabh Shaligram Head of AI department at Makers Lab, Tech Mahindra.
- Developed a working model to detect adverse effect in a live stream video by using Yolov3 and Faster-RCNN architecture and tried to develop a key network to define the blood scene.
- Required experience of GoogleColab and TensorFlow.

PREDICTIVE MAINTENANCE OF SENSORS IN PHARMACEUTICAL INDUSTRY (SIH-2019)

- Predictive maintenance of equipment with sensors, tracking operating conditions and performance of machines, predicting breakdown, malfunctions and recommending preventive actions.
- Required Experience of manufacturing process sensors, Python-tkinter Library for UI design and regressive machine learning algorithm.

DATA SEGREGATION AND CLASSIFICATION (SEPTEMBER 2018 – OCTOBER 2018)

- Worked under the guidance of Dr BRAHMA DEO.
- Developed a prediction model to check classification steel plant toxic gases using multivariate regression and RSVM.
- Required Experience of matplotlib, pandas' packages of python.

PING-PONG GAME (OCTOBER 2017 – DECEMBER 2017)

- Developed a browser-based PING PONG game for presentation on Neuromancer programming club of IIT Bhubaneswar.
- Required Experience of Oops concept in python and use of python library like OS, turtle and pygame.

SKILLS & ABILITIES

TECHNICAL

- Programming Languages: C++, MATLAB and Python.
- Circuital: Arduino, Raspberry-Pie (Basic).
- Programs: AutoCAD, Fusion 360, Solid works, Ansys, Adobe Photoshop.

LEADERSHIP

- Represent our team in several competition like: EGGLORIOUS Battle (Won 1.5 Lakh grant for project) at IIT Bhubaneswar, TECHFEST at IIT Bombay and SIH at Oriental University, Indore.

MANAGEMENT

- Publicity Team member of the Entrepreneurship Conclave of the institute.
- Sponsorship CORE Team member of the Entrepreneurship Conclave of the institute.
- Volunteer for the Inner Engineering Program at Isha Yoga Centre, Bhubaneswar.

COMMUNICATION

- Delivered presentations as a part of the Project seminar course on “Piezo-electric material and its deployment in wind turbine” and got excellent.

EXTRA COURSES

- Machine Learning and Deep Learning course by Andrew NG from Sandford University.
- Mathematics for machine learning from Imperial College London.
- R programming for data analytics from Johns Hopkins University.
- CNC Programming with G code.
- Finite element method and perspective through developer in MATLAB.

ACHIEVEMENTS

- Secured 2nd rank in SIH-Smart India Hackathon-2019 organised by MHRD, INDIA at Oriental University.
- Secured 1st rank in EGGLORIOUS BATTLE (Product Design) in 2016 at IIT Bhubaneswar.
- Secured 6th rank in Crane-O-Mania (Crane design) in 2018 at IIT Bombay.
- Secured AIR 9447 in JEE (Advanced) 2016.

EXTRA CURRICULAR

- Regular book reader on Human Psychology, Philosophy and Spirituality.
- Quora writer with around 61k views on my answer.
- Table tennis and Chess player.