

Bhanu Teja Pogiri

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IIT Bhubaneswar

Mechanical Engineering

Final Year Undergraduate

CGPA: **8.26/10**



Education

Year	Degree/Examination	University/Board	%/CGPA
2022*	Mechanical Engineering	Indian Institute of Technology Bhubaneswar	8.26/10
2019	Intermediate (12 th standard)	Central Board of Secondary Education	95.5%
2017	Secondary School Certificate (10 th standard)	Board of Secondary Education, A.P	10/10

Internship Experience

Fractal Analytics

May 2022 - July 2022

Project Intern (Financial Services)

- Worked on Financial Data of customers to identify the **probable defaulters** using Machine Learning and Statistical Models
- Extensive **Exploratory Data Analysis** had been done to obtain required attributes on clients request
- Advanced techniques like **SMOTE**, **Polynomial features** were implemented for **Data Imbalances** and **Augmentation**
- Various different ML models like **KNN**, **SVM**, **Random Forest** were implemented among which **Ensemble models** stands on top with an **F1 score** of **0.96**

Projects

Movie Recommendation System

Machine Learning

- Developing a robust **Movie Recommendation System** that recommends movies from different languages similar to a chosen movie using **sentiment** of the reviews and **movie meta-data**
- **Google Translate API** to convert reviews of different languages into English
- **NLP** and **Sentiment Analysis** to obtain the sentiment of the reviews and **Cosine similarity** for recommendation

Cat Vs Dog

Deep Learning

- Developed a classifier using **Convolutional Neural Network** that can classify a given image into cat or dog
- Overfitting was reduced using **Batch Normalisation** on the data and **Dropout layers** in architecture
- Achieved an accuracy of 80% using **3 Convolutional** and **3 Dense layers**

RealTime Chatting Application

Web Development

- Provides real-time user friendly chatting features for users to connect with their desired group of people
- Used lifecycle methods using Hooks and Socket.io websocket libraries
- **Tools used** : HTML,CSS, React.js, Node.js, Socket.io

Hospital Management System

Web Development

- A website where patients can sign up. Doctor's can login through the credentials they receive through mail once admin creates their account.
- Admin can create the opd-schedule of any doctor. Patients can book an appointment of doctor by choosing the Department, Date and one of the free time slots.
- patients ans Doctors can see their respective pending and past appointment. Admin can see all the appointments. Patients and Doctors can cancel an appointment and admin can edit the opd-schedule of any doctor.
- **Tools used** : HTML,CSS, React.js, Node.js, Express.js, MySQL

Technical Skills

Programming Languages : C, C++, SQL

Web Development tools : HTML, CSS, Javascript, React JS, Node JS, Express JS, MongoDB

Data Science Tools : Numpy, Pandas, Tensorflow, Keras, Seaborn

Software & Tools : Excel, Jupyter Notebook, Google Colab

Other : Git, AutoCAD

Scholastic Achievements

- Ranked in **National Top 0.5%** (amongst **11,47,000** candidates) in JEE Mains 2019
- Ranked in **National Top 0.9%** (amongst **2,45,000** candidates) in IIT-JEE Advanced 2019
- Secured a rank of **1143** in AP-EAMCET amongst **2,82,633** candidates

Positions of Responsibility

Clix-Photography Society

January 2020 - Present

- Participated in different competitions representing our campus
- Monitored the society for active participation in various photography competitions

Academic Guide

August 2021 - Present

- Guided many students in Academic as well as Non-Academic sections
- Part of team in resource and course-work management

Extra-Curricular Activities

- Solves Problems from different platforms like **Leetcode,GFG**
- Part of management team on the occasion of campus anniversary