

EDUCATION

FATHER CONNCEICAO RODRIGUES COLLEGE OF ENGINEERING | B.TECH IN ELECTRONICS & COMPUTER SCIENCE (ECS)

July 2021- May 2024 | Mumbai, India • CGPA 9.77

SHRI BHAGUBHAI MAFATLAL POLYTECHNIC | DIPLOMA IN DIGITAL ELECTRONICS ENGINEERING

July 2018- June 2021 | Mumbai, India • Percentage: 94.0

CHILDREN'S ACADEMY | GRADE X (DELHI BOARD)

July 2018 passed out | Mumbai, India • Percentage: 92.0

EXPERIENCE

NCC TELECOM PVT. LTD. | R&D INTERN

Jan 2021 - July 2021

- Worked as an R&D intern, wherein I repaired faulty switches, quality checks after testing and repair, designed PCBs, and designed UI for smart switches.

PROJECTS

1. TUBERCULOSIS ANALYZER TECH-STACK: MACHINE LEARNING (4th year, 2024)

- An ML model that detects if the user is suffering from tuberculosis or not using deep learning algorithms with an accuracy of 97%.
- Worked on healthcare data i.e. chest X-ray dataset, while using Python libraries like **pandas, numpy, matplotlib, os, cv2, Keras, and TensorFlow** to perform **data pre-processing, data cleaning, image normalization, and exploratory data analysis (EDA)**

2. FEEDBACK INSIGHT VISUALIZER (4th year, 2024)

- A NLP (Natural Language Processing) project that creates a **word cloud** for a given feedback provided as input.
- Implemented web scraping to create the dataset, (using **beautiful soup**, and **request** libraries) extracted the data into a JSON file, and implemented the further steps of processing the data, **keyword extraction** and finally providing the processed data as the feedback input to the word cloud generator.

3. ENGLISH TO HINDI TRANSLATOR (4th year, 2024)

- An effective LSTM-based Seq2Seq model was implemented that translates English sentences into the Hindi language with an accuracy of 96%
- The translator takes into account the actual word-to-word translation (literal translation without considering the context of the sentence) of English sentences and the predicted output the model makes based on the context of English sentences.

4. STOCK PRICE PREDICTION USING LSTM (3rd year, 2023)

- A deep learning approach that predicts Apple Inc.'s stock prices using LSTM.
- Performed data processing, and data cleaning, and provided the historical data as an input to the input layer of the LSTM model while designing a fully connected dense layer for feature extraction followed by a single neuron in the output layer displaying the predicted stock price.
- To better understand the model's predictions, the model's output was visualized against the actual stock prices. Thus, enabling identifying any trends, patterns, or discrepancies.

5. BCMI TECH-STACK: MACHINE LEARNING, DEEP LEARNING (4th year, 2024)

- A progressive web app that helps users quickly analyze their mood through their brain signals(EEG)with the help of machine learning algorithms with a remarkable accuracy rate of 97% and the web application in return recommends music to the users based on their moods.
- **Feature extraction, feature selection, and dimensionality reduction** were performed on the EEG signals to obtain attributes/features that pertain to the detection of the moods of the users.

6. MUSIC STORE ANALYSIS (4th year, 2024)

- A series of SQL operations were performed to analyze the music dataset, and an extensive set of easy to advanced queries were performed thus analyzing different aspects of the entities related to the music dataset.

7. DATA ANALYTICS (4th year, 2024)

- Worked on a dataset regarding Diwali Sales to perform **exploratory data analysis (EDA)** wherein related **plots** and **visualizations** were studied and plotted using various Python libraries like **pandas, matplotlib, numpy, and seaborn**.

8. SOLVE MY PROBLEM - THE GRIEVANCE SYSTEM TECH-STACK: REACT NATIVE, FLASK, HERE API, MACHINE LEARNING, HTML, CSS (2nd year, 2022)

- An innovative app enabling users to effortlessly file complaints by capturing photos, utilizing machine learning with an accuracy of 95 percent for automated problem detection, and leveraging the HERE API for precise location tracking
- Empowers individuals to improve their community, while offering efficient issue management for officials, enhancing public infrastructure and accountability.

ACHIEVEMENTS

- Ranked second (out of 70 students) in TE ECS with a CGPA of 9.8.
- Ranked first (out of 70 students) in SE ECS with a CGPA of 9.7.
- Runner up at a DL/BDA quiz conducted by the ECS department at CRCE.
- Runner up at Shri Bhagubhai Mafatlal Polytechnic with 92 percent among 70 students

EXTRACURRICULAR

- Learned various online courses including:
 - python programming
 - introduction to VR
 - introduction to cyber attacks
 - AI
 - DS
 - ML
 - Supervised ML
- **R&D Representative**, ECS Department, CRCE (Interned in R&D, facilitating faculty-student engagement and coordinating online seminars and events) from 2022-2023.
- **International Alumni Initiatives Head** at the Student Alumni Council, CRCE from 2022-2023 (interned as Alumni Head, engaged in organizing and planning events, reaching out to the alumni for conducting various online sessions for the students.)
- **NSSxCRCE volunteer** from 2022- 2024.
- Participated in various hackathons
- Hosted various webinars and seminars in college events

SKILLS

- Python
- Machine Learning
- Deep Learning
- Natural Language Processing
- MySQL
- Data Analysis
- Data Visualization
- Statistics
- Java
- HTML
- CSS
- Javascript
- ReactJS
- Flask
- Figma
- Bootstrap
- Tailwind