

# Priti Priya

3rd Year Undergraduate  
School of Computer Science and Engineering

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## Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2019 - Present	B.Tech	Vellore Institute of Technology, Vellore	8.1/10
2017	CBSE(XII)	Chinmaya Vidyalaya, Bokaro	89%
2015	CBSE(X)	Chinmaya Vidyalaya, Bokaro	9/10

## Certificates/Achievements

- Participated in Artificial Intelligence Foundations conducted by Sector Skills Council(SSC) NASSCOM.
- Secured **Bronze** category for clearing the assessment on Artificial Intelligence Foundations conducted by Sector Skills Council(SSC) NASSCOM.
- certificate of completion The Web Developer Bootcamp in udemy.

## Key Projects

### • Data Processing of Room allotment in Hotels

(Jul'20- Oct'20)

**Mentor: Prof. Kauser Ahmed**, School of Computer Science and Engineering.

- This application is specially developed to help hotel staff using codeblocks software.
- The project Hotel Management manages and maintains the records of customers and room in the hotel. The rooms have different categories such as Deluxe, Executive and Presidential etc., so their charges and records will be maintained accordingly. This software has been made in a user friendly interface, so that anyone can add, delete the entries of customers and handle all the transaction easily.
- Customer can either make booking in advance, or he can directly Check-In. For the convenience of Administration, we have provided facility to generate report of transactions made in terms of check-in check-out, bookings by day or specified timespan. We have also included a restaurant service where the guests can order lunch, breakfast and dinner according to the number of people and prices varies from services and extra beds provided.

### • Scheduling Algorithms Analysis for Real-Time Systems(Air Traffic Control System)

(Jul'20-Nov'20)

**Mentor: Prof. Nagaraja Rao A**, School of Computer Science and Engineering.

- Used various concepts of Operating systems such as **Synchronization, multi-threading** and **Deadlock prevention**.
- implemented a simulator that helps to simulate multiple independently acting planes in air traffic by modelling their take off and landing. Through this project collision and deadlock free simulator can be implemented. Moreover, it will be working not only on regular landings but also add emergency landing in the project where priority will be higher for emergency landing.
- Used real time log(data) updation.

### • Sentiment Analysis

(Aug'20- Oct'20)

**Mentor: Prof. Sathyaraj R**, School of Computer and Science Engineering.

- used 10,000 comments given by public on amazon books.Used support vector machine (SVM) which is a supervised machine learning model that uses classification algorithms for two-group classification problems
- used TfidfVectorizer which transforms text to feature vectors that can be used as input to estimator.

### • Sign Language Interpreter

(Feb'21-May'21)

**Mentor: Prof. Ragunthar T**, School of Computer Science and Engineering.

- Used Anaconda software and tensorflow for the project.
- The system wishes to recognize sign language and depict it by displaying the text for the user.Previous images captured are stored in database along with its label/text for future recognition.
- Allows translation of single-handed signs using webcam on our PC. The gestures performed by the user are converted into text with the help of input matrix assigned. This can be easily understood by the normal people.Provides a social compatibility to the user who is both speech and aurally challenged.

### • Eye Hospital Data Management

(Mar'21-Jun'21)

**Mentor:Prof. Prabhavathy P**, School of Computer Science and Engineering.

- includes registration of patients, storing their details into the system, and also computerized billing in the pharmacy, and labs. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id
- This project deals with the storing of database of any Eye hospital.
- The frontend part is done using html and CSS, and the backend is done using php to connect our frontend to database.

## Technical Skills

- Programming Languages:** C, C++, HTML,CSS,Javascript, Java(basic),Python

Relevant Courses

Data Structure and Algorithms Operating System Analytical Bioinformatics Digital Logic and Design Natural Language Processing	Database Management System Problem Solving and Programming Cell Biology and Biochemistry Software Design and Development Statistics For Engineers
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Extra-Curricular Activities

- Participated in Mathsomania.
- Participated in Youth Red Cross(YRC) event.