



# Prateek Mishra

Final Year (B.Tech)  
Computer Science & Engineering  
at NIT Silchar

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Portfolio Website 

## Skills

### PROGRAMMING LANGUAGES

C, C++

### COMMAND ON DATA STRUCTURES ALGORITHMS & STL

### CONCEPTS OF OOPS, DBMS

### FRONT-END DEVELOPMENT HTML, SCSS, Javascript, Bootstrap

### BACK-END DEVELOPMENT Javascript


### FRAMEWORK/LIBRARY

Node.js, RASA, React.js

### DATABASES

MySQL, MongoDB

## Competitive Programming

- Solved 1000+ problems on Codeforces cses.fi, Hackerearth, GFG
- Regular Participation in Codeforces Contests
- Achieved best rank 378 in div-3 and 761 in div-2 Contest on Codeforces
- Specialist rank on Codeforces with maximum rating 1599
- CF Handle:  extracheese

## Extra Curricular

- Active Member of Coding Club, NITS
- Finalist in Robosoccer event in Tecnoesis
- Attended workshops conducted by Mozilla and Cetpa Infotech

## Academics

### NIT SILCHAR

B.Tech in CSE, CPI : 7.81

### INTERMEDIATE

Prayag Public School & College  
Percentage: 79.40

### HIGH SCHOOL

Prayag Public School & College  
CGPA 9.2

## Projects

### MedicBot

Github 

A Conversational AI recommendation system based on careful diagnosis that suggests effective medication. The Model is trained to identify 30+ diseases. Users can also book appointments through the chatbot.

RASA, Python, HTML, CSS, Javascript

### RDBMS Quarantine Facility

A MySQL project that stores detail of a visitor and allocates them rooms in different hostel of NIT Silchar based on age. The database design schema is 3NF along with various triggers and stored procedures.

SQL, MySQL Workbench

### Chat Application

chat-intime 

A Chat application where users can login in rooms with unique id and chat with each other. Includes features like identification of spam texts.

Node.js, Socket.io, Javascript

### CovidCare

covid19-healthcare 

A web application that provides detail of hospitals close to the location provided by a user. Users can also register themselves as plasma donors and share there contacts.

React.js, API, Javascript

### Weather Forecast Website

get-forecast 

A web application that provides weather forecast of a location provided by the user. Uses API support from mapbox.com and weatherstack.com.

Node.js, API, Javascript

### RP Enterprises

rpenterprisesindia 

A website build for construction Company RP Enterprises.

React.js, Javascript

## Research Work

### ARTPARK, IISc Bangalore

August 2021 - July 2022

Proposal for further research and development of Medicbot **accepted for funding** as a final year project by **ARTPARK, IISc Bangalore**.

## Internship

### CNLP lab, Nit Silchar

May 2021 - July 2021

- Led a team of 5 in building a Computer-aided Recommendation Engine for the Health Diagnostic, project sponsored by ASEAN-DST.
- Added custom actions to store chat threads in database
- Added Login, History, Analytics and Admin features
- Worked on corpus creation for intents and corresponding responses for the chatbot
- Worked on adding 300+ stories for dialogue management component
- First author of Research Paper on dataset building and evaluation of conversational AI