

# GANESH SHARMA

ganesh.stem@gmail.com

ganeshstem.pythonanywhere.com

github.com/ganesh-stem

## SKILLS

MACHINE LEARNING

ARTIFICIAL INTELLIGENCE

## TOOLS

C++

SQL

PYTHON & DJANGO

## CERTIFICATIONS

### Problem Solving (Advanced)

Issued by HackerRank

(<https://www.hackerrank.com/certificates/4d15935b93d9>)

## EDUCATION

### Computer Science & Engineering

IES COLLEGE OF TECHNOLOGY, BHOPAL

8.24/10.0 CGPA

2016 – 2020

### CLASS XII - MP Board

BABY CONVENT HIGHER SECONDARY SCHOOL, BHOPAL

76.2%

2016

### CLASS X – CBSE Board

KENDRIYA VIDYALAYA NO. 1, BHOPAL

6.00/10.0 CGPA

2014

## PROJECTS

### Hospitals Allocation

MARCH, 2021 – APRIL, 2021

Project Link | <http://ganeshstem.pythonanywhere.com/hc/>

Prepared the two AI models for efficiently allocating the hospitals to the residents. These two models are based on the **hill climbing algorithm** and **random restart hill climbing algorithm**, respectively. Used **HTML, CSS & JavaScript** in front-end and **Python & Django** in back-end. The communication between two back-end and front-end is done using **AJAX**. The project is deployed on **PythonAnywhere**.

### Search Problem

APRIL, 2021

Project Link | <http://ganeshstem.pythonanywhere.com/bfs/>

Created two models, breadth-first search and depth first search, based on searching problems. The project is built using **HTML, CSS & JavaScript** in front-end and **Python & Django** in back-end. The communication between front-end and back-end is done using **AJAX**. The search result generates two outputs — in characters and graphical forms. The project is deployed on **PythonAnywhere**.

### Chatbot

SEPT, 2021

Prepared a chatbot that can also do sentiment analysis of client and bot. The chatbot is built using **NLTK and SpaCy**. **HTML, CSS & JavaScript** is used for front-end. **Python & Django** is used in the back-end. The communication between front-end and back-end is done using **AJAX**.