

# GANESH SHARMA

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ganeshstem.pythonanywhere.com

github.com/ganesh-stem

## SKILLS

MACHINE LEARNING

ARTIFICIAL INTELLIGENCE

NATURAL LANGUAGE  
PROCESSING

## TOOLS

C++

SQL

PYTHON & DJANGO

TENSORFLOW & KERAS

APACHE SPARK (PySpark)

JAVASCRIPT & jQuery

## 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

**Credit Card Application**

**OCTOBER, 2020**

Project Link | [https://github.com/ganesh-stem/Deep\\_Learning](https://github.com/ganesh-stem/Deep_Learning)

Prepared a deep learning model, in **Keras (Python)**, to find the people who are likely to default. Used **Self-Organizing Maps** to build the model. Got an accuracy of 98% on the training set.

**Two-Dimensional Self-Driving Car**

**FEBURARY, 2021**

Project Link | [https://github.com/ganesh-stem/Artificial\\_Intelligence/tree/main/04\\_Learning](https://github.com/ganesh-stem/Artificial_Intelligence/tree/main/04_Learning)

Built an interactive two-dimensional self-driving car using **PyTorch**, **Kivy**, and **Keras (Python)**. The project was based on **Reinforcement Learning Algorithm** named **Deep Q-Learning**. The user interaction requires mouse to create the obstacles for the car.

**Hospitals Allocation**

**MARCH, 2021 – APRIL, 2021**

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

Prepared a web application based on two classical AI algorithms, **Hill Climbing Algorithm** and **Random Restart Hill Climbing Algorithm**, for efficiently allocating the hospitals to the residents. The project is built using **HTML**, **CSS & JavaScript** in the front-end and **Python & Django** in the back-end.

**Search Problem**

**APRIL, 2021**

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

Created a web application based on searching algorithms — **Breadth-First Search** and **Depth-First Search**. The project is built using **HTML**, **CSS & JavaScript** in the front-end and **Python & Django** in the back-end.