

Prerna Bhavsar

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Education

Dwarkadas J Sanghvi College of Engineering, University of Mumbai

Aug 2016 – Oct 2020

- Bachelor of Engineering, Computer Engineering.

CGPA: 9.72

Skills

Languages: C, Java, Python

Web Development: HTML, CSS, JavaScript

Database Technology: MySQL, PHP

Operating Systems: Windows, Ubuntu

Misc: Algorithms, Data Structures, Machine Learning, Deep Learning, Natural Language Processing

Experience

Junior Data Scientist – Pivony

July 2020 – Oct 2020

- Worked on on topic modeling and related applications of data science for its product TopicScope.
- Also contributed towards development for its python platform.

Web Developer Intern – Chilsag Entertainment Network

Jun 2018 – Aug 2018

- Worked on creating their company's website as well as on a new project for the company.

Selected Projects

Automating the Generation of ICD Codes from Medical Records

- The project uses CNN along with LSTM for textual understanding and further generation of the codes. ICD codes are the codes assigned to medical summaries based on diagnoses and procedures performed.

Railway Management System

- It is a database management project using MySQL and Java. A desktop application where a user could choose from a range of trains by providing their desired source and destination.

Student Academic Performance Prediction

- A Machine Learning model to predict student performance based on their class activities, tests and personal features like parental involvement using Support Vector Machine (SVM) and Neural Network algorithms.

Web Scraping

- The project uses Shell Script for web scraping. It selects the particular section of news from the BBC news website and puts it into a text document for offline reading.

Online Food Delivery Website

- Using HTML, CSS, JavaScript, JQuery, and Django. It included different restaurants to choose from and cart for ordering which displays the total bill for the customers.

Research Publications

- Prerna Bhavsar, Parth Jhunjunwala, Lynette D'Mello. Attribute Reduction for Medical Data Analysis using Rough Set Theory** is published in Springer "Algorithms for Intelligent Systems (AIS)" with ISSN-2524-7565. Presented at the "2nd International Conference on Advanced Computing Technologies and Applications 2020" on 29th, February 2020.

Extra-Curricular Activities

Jt. Secretary – DJLIT Committee

Oct 2018 – Sept 2019

- Worked as the joint secretary for our college's Literary Society.
- Organised and managed all the events held under its banner.

Co-Events Head – DJACM Student Chapter

Oct 2017 – May 2018

- Managed the organisation of all the events for the academic year 2017-18.

Volunteer- National Service Scheme

July 2017 – July 2018

- Worked as Volunteer and a co-committee member of the editorial team of DJNSS.
- Certificated for successfully completing 120 hours of social service.