Prerna Bhavsar

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Education

University of California, San Diego   **Mar 2021**
- Masters of Science in Computer Science.

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

Experience

Junior Data Scientist – Pivony   **July 2020 – Oct 2020**
- Worked on topic modeling algorithms and related applications of data science for its product TopicScope.
- Contributed towards the python development of the platform by working on AWS EC2 instances, S3 buckets and RDS databases.
- Implemented various pre-processing enhancements and certain APIs for TopicScope.

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 Jhunjhunwala, 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.