Chicago, United States
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Vinit Patel

https://github.com/v-za

Education and Certifications

- **B.Sc. Computer Science,** DePaul University, Chicago.   **Graduated 2020**
- **Minors in Mathematics and Data Science**   **GPA 3.7**
- **Coursework:** Data Structures, Linear Algebra, Design and Analysis of Algorithms, Foundations of Artificial Intelligence, Agile Software Development, Applied Probability

Projects

CRUD Web Application   DePaul University   **Winter 2020**
Chicago, Illinois

- Developed a web application for a pet store from scratch using python for backend integrated with Postgres database.
- The application displayed and organized a variety of pets. Users could search for a pet by species and then by breed before deciding to schedule an appointment to visit the animal
- Initiated use of Git version control standards and best practices which significantly aided with productivity and code management.
- Standardized output of numerous pages on the website.

Smart Robot Vacuum Application   DePaul University   **Winter 2020**
Chicago, Illinois

- Responsible for developing the movement feature of a smart robot vacuum application in Java. Created a novel AI-powered algorithm for efficient navigation under any floor plan. Most efficient robot amongst a class of 55 students.
- Operated under Agile SCRUM framework.
- Wrote user requirements as stories, reached sprint goals consistently and had daily stand ups
- Engaged in test driven development, continuous integration(Travis CI) and pair programming for best results.

Comparing Performance of Classifiers   DePaul University   **Fall 2019**
Chicago, Illinois

- Compared the performance of Decision Trees and kNN classifiers in predicting the age of abalone on an imbalanced dataset.
- Explored the performance of the models on an unbalanced dataset and a balanced dataset after SMOTE.
- Engaged in the entire machine learning life cycle including data collection, data preprocessing, feature engineering, model selection and model tuning.

Technologies and Languages

- Languages: Java, Python, C++, R
- Technologies: MySQL, Postgres, AWS, Git, Unix/Linux, Travis CI
- Frameworks: Flask, JUnit,
- Other: SCRUM, other Agile Processes