

VINIT PATEL

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EDUCATION

DePaul University, 2020

GPA 3.7

BS Computer Science with Minors in Data Science and Mathematics

Coursework: Data Structures, Linear Algebra, Design and Analysis of Algorithms, Foundations of Artificial Intelligence, Agile Software Development, Applied Probability

Awards and Scholarships: - Dean's List(2016, 2017, 2018, 2019)
- DePaul Scholars Award 2015-2019

PROJECTS

Code and Additional Projects: <https://github.com/v-za>

Pet Adoption CRUD Web Application

Winter, 2020

- Acted as an implementation manager and led a group of 4 programmers.
- Designed and implemented REST API and then integrated the API and web application with a PostgreSQL database.
- 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. Was learning HTML and CSS as I engaged in front-end development.

Technologies used: Python, Flask, MySQL, HTML, CSS, AWS

Smart Robot Vacuum Application

Winter, 2020

- Responsible for developing movement feature of a smart robot vacuum application. Created novel AI-powered algorithm for efficient navigation under any floor plan. Most efficient robot amongst all 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 and pair programming for best results

Technologies used: Java, Maven, Travis CI, Git

Comparing Performance of Classifiers

Fall, 2019

- 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 entire machine learning life cycle including data collection, data preprocessing, feature engineering, model selection and model tuning.

LANGUAGES & TECHNOLOGIES

Programming/Scripting Languages

Python, Java, SQL, MATLAB
C, C++, Scala, R, HTML, CSS

Other Technologies

Git, Flask, Unix, SAS, SPSS
Maven, Travis CI