

# DARSHIT VORA

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<https://github.com/Darshit45>

## PROJECTS

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### Facebook-Clone( [Live Application](#))

Spring 2021

- Built React-based Facebook clone website for chat and image sharing.
- Used React context API, Firebase for real-time Database and hosting.

### Angular Developer | Angularjs, NodJs

Spring 2019

- Developed technical documentation to define the system components, development environment and implementation of full-stack development strategies.
- Demonstrated technical leadership ability in AngularJS, HTML, CSS and Communication with RESTful web services from Java-Script and used Nodejs in the backend.

### House Price Prediction | Python

Fall 2019

- Analyzed a total of 17,000 sample houses with multiple features such as longitude, latitude, population.
- Used Pandas, Numpy and Scikit-Learn to perform pre-processing techniques like Data Normalization, Data Encoding, Data Imputing, Bucketing and Feature Crossing to improve the dataset.
- Applied various models such as Linear Regression, Random Forest, XGB Regression, Support Vector Regression, Deep Neural Network with Scikit-Learn and eventually achieved Root Mean Square Error of around 0.3766.

### Classification of 7 different skin cancer | Python

Spring 2020

- Visualized the data using different plots such as histogram and correlation chart to confirm the reliability of the data using Matplotlib and Seaborn.
- Used Numpy, Pandas and Scikit-Learn to perform general data pre-processing such as one-hot encoding and data splitting.
- Implemented various CNN architectures using Keras Sequential API, and designed a final model achieving a training set of accuracy 91%.

### Virtual Encrypted File System | C

Spring 2018

- Created a virtual encrypted single-level directory file system which can run on top of any Linux OS.
- Established virtual disk on top of a file to enable disk operations: read, write and seek.
- Implemented a file system with file control blocks and linked-list based implementation has utilized and avoided unused space(gaps in memory) in the disk.
- File system included functionalities like mounting/un-mounting file system, creating, modifying, deleting file.

### File Sharing System | Java

Fall 2018

- Developed a platform to share and download files within the local area network.
- Created a multithreading P2P(Peer to Peer) file transfer where a server did not have to take a load and handled a modern methodology of self-communication between users.

## EDUCATION

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### Master of Information Technology and Analytics

May 2021

Rutgers, The State University of New Jersey

GPA:3.8/4

Coursework: Software Development, Business Data Management, Statistics and Machine Learning

### Dhirubhai Ambani Institute Of Information and Communication Technology

May 2019

Bachelor's of Technology in Information and Communication Technology

Gandhinagar, India

Coursework: Data Structure and Algorithm, Operating System, Object Oriented Programming, System Software

## SKILLS

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**Languages:** C++(Proficient), Python, C, Java

**Software and Frameworks:** Angular Js, Node Js, MySQL, PostgreSQL, HTML, CSS, ASP.NET, R studio, Git

**Online certification's:** JavaScript(LinkedIn Learning), REST APIs(LinkedIn Learning)

## CO-CURRICULAR ACTIVITIES

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- Promoted health awareness as a HPD educator and organized individual and group level skill-building activities.
- Organized and facilitated various events, taught and explained the basic application of the computer to workers and children of the NGO named PNR Society
- Achieved 3 bronze medals on the online coding platform [Hackerrank](#).
- Hobbies: Competitive Programming, Music, Online Gaming.