

# HARSHIL DARJI

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## EDUCATION

- **Master of Science in Computer Engineering | GPA: 3.5** San Jose, CA  
*San Jose State University* *Jan. 2021 – Present*  
Related coursework: Data Science, Enterprise Software Technologies, Cloud computing
- **Bachelor of Technology in Information and Communication Technology** Ahmedabad, Gujarat  
*Ahmedabad University* *Aug. 2016 – May 2020*  
Related coursework: Data Structures and Algorithms, Embedded Systems, Database Systems

## TECHNICAL SKILLS

- **Languages:** Python, Javascript, Typescript, C, C++, SQL, Java
- **Technologies:** React, Redux, NodeJS, Git, REST, Angular, Firebase, Docker, Redis, MySQL, MongoDB, Flask, HTML, CSS, Amazon Web Services, Kibana, jQuery, Google Cloud Platform

## RELEVANT EXPERIENCE

- **React Developer** *Honeycomb Softwares Pvt. Ltd., Ahmedabad, India*  
*ReactJS, Redux* *Aug. 2020 - Dec. 2020*
  - Implemented custom React components for an Enterprise Resource Planning Jewellery application.
  - Developed memoized selectors for all React components to get filtered data from state object, improving the performance of the components by a factor of 30%.
  - Refined various reducers to properly update state objects.
- **Web Developer Intern** *Shunyeka Systems Pvt. Ltd., Bangalore, India*  
*Angular, Typescript, ElectronJS, Python* *Jan. 2020 - June 2020*
  - Designed and built the administrator website for Shunyeka and created REST APIs for the same.
  - Developed two cross-platform Desktop applications which monitors cloud metrics of end users.
- **Machine Learning Intern** *Bhaskaracharya Institute For Space Applications and Geo-Informatics*  
*OpenCV, YOLO, Darknet, Tensorflow* *May 2019 - July 2019*
  - Designed and developed a video analytics software which extracts general analytical information
  - Functionalities included object detection, object counting, number plate recognition, motion detection.

## PROJECTS

- **Flixnet** *React, Redux, Firebase, Stripe, HTML, CSS, Javascript*
  - Built a movie catalog application similar to Netflix, facilitating users to authenticate, search and rate movies and subscribe to different flixnet plans.
  - Improved latency of fetching images by using optimized selectors in Redux.
- **Customer Segmentation** *Python, SKLearn, Pandas*
  - Developed an ensemble classifier on E-commerce data, that anticipates purchases made by a new customer.
  - Optimised base classifiers (Random Forest, Gradient Boosting, K-Nearest, Logistic Regression) using hyperparameter tuning (GridSearchCV).
- **Food Waste Management System** *Java, MySQL*
  - Created a prototype to a proposed solution for potential social problem of food waste.
  - Tracked food wastage by connecting parties with potential food excess.
- **India Covid Awareness Dashboard** *Angular, Typescript, HTML/CSS, Javascript*
  - A dashboard that shows by-the-minute Covid statistics (Active Cases, Deaths, Recoveries etc.) for India in a statewise, summarized manner.
  - Lists helpful resources and contact information for help.

## EXTRA-CURRICULAR

- Technical Committee Head, Technical Writer: IEEE Student branch at Ahmedabad University (2016-2019).
- Core Committee Member for the 7th International Conference on Big Data Analytics 2019 at Ahmedabad University.