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**: Javascript, Typescript, C, C++, Python, Java
- **Web Technologies**: React, Redux, NodeJS, RESTful APIs, GraphQL, Angular
- **Cloud Technologies** : Firebase, Docker, Amazon Web Services, Serverless
- **Databases**: MongoDB, Elasticsearch, MySQL, Redis
- **Tools**: Git, Flask, Kibana

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** | Github   *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** | Github   *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** | Github   *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** | Github   *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.