

HARSHIL DARJI

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EDUCATION

- **Master of Science in Computer Engineering | GPA: 3.7** 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, Cassandra, MySQL, Redis

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.
 - Integrated memoized selectors for all React components to get filtered data from state object, improving performance of components by a factor of 30%.
 - Refined and debugged several reducers to achieve efficient update of 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 and REST APIs to accomplish efficient user and query management.
 - Developed two cross-platform Desktop applications to monitor cloud metrics of end users.
 - Setup Wazuh file integrity monitoring for many servers, to alert users on changes to specified files.
- **Machine Learning Intern** *Bhaskaracharya Institute For Space Applications and Geo-Informatics*
OpenCV, YOLO, Darknet, Tensorflow *May 2019 - July 2019*
 - Engineered a video analytics software which helps to extract general analytical information.
 - Processed videos to perform object detection, object counting, number plate recognition, motion detection.

PROJECTS

- **Ubereats Clone | [Github](#)** *MERN, Redis, GraphQL, Redux, Kafka, AWS*
 - Developed a food delivery platform using MERN stack, facilitating restaurants and customers.
 - Reduced latency by 10% using GraphQL with optimal data pooling in MongoDB to support multiple connections.
 - Configured message queue middleware to support concurrent 10k user requests.
- **Flixnet | [Github](#)** *React, Redux, Firebase, Stripe*
 - Built a movie catalog application similar to Netflix that allows users to authenticate, search and rate movies.
 - Users could subscribe to different Flixnet plans configured through Stripe payments.
- **Indeed Clone | [Github](#)** *MERN, Docker, MySQL, Redis, Kafka, AWS*
 - Developed a microservices based distributed application that supports all major job board functionalities.
 - Integrated features like job search, job application, chat, company reviews, facilitating job seekers and employers.
 - Improved throughput of requests through caching, along with message broker middleware for improvised scalability.
- **Customer Segmentation | [Github](#)** *Python, SKLearn, Pandas*
 - Modelled an ensemble classifier on E-commerce data, to anticipate purchases made by a new customer.
 - Optimised base classifiers (Random Forest, Gradient Boosting, K-Nearest, Logistic Regression) using hyperparameter tuning (GridSearchCV).

EXTRA-CURRICULAR

- Helped organise various technical events, talks and workshops as Technical Committee Head, IEEE Student branch at Ahmedabad University (2016-2019).