Darshan Patel

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EDUCATION

New Jersey Institute of Technology, Newark, NJ   Jan 2019 – May 2022
Degree: Master's in Computer Science
Relevant Coursework: Algorithms, Data Structures, Python, Artificial Intelligence, Computer Architecture, Networks, Computer Security, Compilers Assembly, Operating Systems, Logic Analysis, Software Methodology, Web Development

WORK EXPERIENCE

Front End Engineer at Martketcol, Newark, NJ   Sept 2019 – Present

- Designed Dashboard components and testing methods to increase the efficiency of application by 20%.
- Revamped 30+ web components using HTML, CSS, JavaScript, React.js, jQuery and designing tools improve functionalities by 50%.
- Refactoring code for maintaining and scalability of the application, providing additional perspective reviewing code.

Learning Assistant at NJIT, Newark, NJ   Jun 2019 – Aug 2019

- Facilitated 20+ workshops and discussions to help 40+ students with courses in Computer Science.
- Developed 5 tutorials on how to write computer programs and solve engineering problems.

Front End /UI Developer Apprenticeship at SunTrust Bank, Atlanta, GA   Jan 2019 – May 2019

- Assisted in building beautiful UI for clients without compromising functionality for aesthetics.
- Unit testing in Jest to ensure code was 100% bug free.

PROJECTS

Robinhood   Dec 2021 – May 2022
- UI-Robinhood and data extended from yahoo finance with more features more than 20+.
- Authentication and data storage from Firebase and Rapid API with 10,000 requests per day.
- Scraped the data from YH Finance API to track most active, top gainers, top losers stocks in real-time basis.
- Updated version performance increased from 4s to 3.2s of load time using optimization.

Netflix   Aug 2019 – Nov 2019
- Integrated YouTube API with TMDB API to search movie trailer.
- Used React, advanced Hooks and Redux store with responsive UI to increase efficiency by 20% and utilized resources to display results as needed.
- Authenticating user and displaying movies based on recommendation and watch history for better interaction.

Ruchimandal   Sept 2021 – Nov 2021
- Real World Religious application frontend and backend server for 2200+ users for live streaming and podcast.
- Front-end: Next.js with react.js, Backend: Sanity.io for real time communication and easily maintainable backend for non-technical admin.

TECH SKILLS

Computer Science: Distributed, Multi-tiered systems, Algorithms, Linear programming, Nonlinear optimization
Programming: Java, Python (NumPy, Pandas, SciPy), HTML, CSS, JavaScript, XML, Git, React.js, jQuery, REST, JSON
Databases: Relational databases, SQL server, MySQL, MongoDB, Google Cloud, AWS, Microsoft Azure
Systems: Unix/Linux, UI Enhancement
Data Visualization: Tableau, Power BI, WordPress, Microsoft Office (Word, Excel, Access, PowerPoint)
Statistical Inference: A/B Testing, Hypothesis testing, Probability, Confidence intervals, Forecasting, Regression