Kshitij Dhannoda

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SUMMARY:

Software Engineer with a Master's from the University of Michigan, specializing in Computer Science. Experienced in building scalable applications using Python and Golang. Developed recommendation systems and graph visualization tools. Expanded AI features for multilingual support. Skilled in React, Redux, Django, and React Native. Proven track record in delivering high-quality code in collaborative, remote environments. Passionate about creating an impact through software solutions.

EDUCATION:

University of Michigan, MI   Jan 2024 - Jan 2026

Masters in Computer and Information sciences(General)   GPA: 3.76/4.0

SKILLS:

Languages: JavaScript, Go, Rust, Java, Python, C, Dart, PHP, SQL.

Frameworks: React-Native, Flutter, Native-script, OpenCV, Hadoop, PySpark, Django, Next.js.

Tools: GIT, Docker, Android Studio, Microsoft Office, LaTeX, Postman.

Soft Skills:Collaboration, Problem-Solving, Adaptability, Leadership

EXPERIENCE:

Software Intern – DigiQuanta, India   *Jan 2023 – Aug 2023*

- Designed React components and implemented screen transition animations, resulted in 40% enhanced user experience.
- Achieved 60fps consistency across devices with unified code, resulted in 13% increased user satisfaction.
- Managed state using Redux and React memo, improving overall app performance, leading to higher user retention rates.
- Used immutable data structures, improving data processing speed and app responsiveness, boosting user satisfaction.

Jr Next.js Intern – Provoke Developers, India   *Oct 2022 – Nov 2022*

- Translated Figma designs to interactive webpages, ensured to enhance the business's online presence by 15%.
- Consolidated designs into a unified app, utilizing Git for version control, facilitated business feature maintenance.
- Utilized dynamic scaling to efficiently cover 95% of screen sizes to boost business's online presence.
- Implemented responsive design principles with Next.js, enhanced user experience for a 40% satisfaction boost.

Core Representative and Design Lead - Apprenticeship – GNU/Linux User's Group of VJIT, India   *Oct 2020 – Nov 2023*

- Oversaw maintenance, design, and deployment of the VJIT GLUG Website built on WordPress.
- Organized GLUG conference to cohort of roughly 500–600 students focusing on Open Source Software and Hardware.
- Implemented responsive design principles, ensuring and enhancing user experience.

PROJECTS:

Recommendation System Project – Python, Pandas, Matplotlib, Jupyter Notebook   *Jan 2024 – July 2024*

- Developed a recommendation system, suggesting relevant items based on user-specified category and price range.
- Built and deployed recommender system using a 1.4M data points, enhancing user experience with sub-second latency.
- Utilized pandas for efficient data visualizations, ensuring data integrity for accurate recommendations.

Graph Shortest Path Visualization – Python, NetworkX, Matplotlib   *Jan 2024 - April 2024*

- Prototyped an MVP interactive indoor visualization using BFS for real-time pathfinding.
- Developed an interactive Python tool to compute the shortest paths using BFS with real-time visualization.
- Enabled interactive exploration of graphs with 15 nodes, facilitating analysis of network relationships.

Multi Lingual Dictionary – Django, Python, HTML/CSS, Bootstrap, SQLite   *March 2023 - Sept 2023*

- Developed a web application to provide translations across multiple languages, enhancing accessibility for diverse users.
- Implemented efficient data storage and management using Django models, ensuring robust handling of word translations.
- Designed a user-friendly search interface, significantly improving the usability and user experience of the dictionary.

ACHIEVEMENTS, TEACHING & LEADERSHIP EXPERIENCE:

Food Pantry Volunteer – Student Food Pantry   *May 2024 – Present*