Kshitij Dhannoda

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ABOUT:

Detail-oriented Software Engineer specializing in backend development with expertise in Java, Python, and scalable architectures. Experienced in crafting efficient APIs and optimizing data-driven systems. Skilled in database management, distributed systems, and algorithm design, bolstered by a Master's in Computer Science. Passionate about contributing to Turo's mission to revolutionize travel through innovative technology solutions and collaborative teamwork

EDUCATION:

University of Michigan, Dearborn, 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.

Frameworks: React-Native, Flutter, Native-script (with vanilla JS), OpenCV, Hadoop, PySpark, Django, Next.js.

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

Soft Skills: Communication, Collaboration, Adaptability, Problem-Solving, Leadership, Time Management.

EXPERIENCE:

Software Intern | *Free Software Movement of India, 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.

Next.js developer - Internship | *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 - Present

- 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 visulaizations, 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