Dikshith Vishnuvardhan

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WORK EXPERIENCE

Clark University, Career Connections Center   **February 2024 – Present**
Web Designer and Data Analyst
- Transformed unstructured survey data into actionable insights using MySQL and MS-Excel, producing reports that significantly improved the university's understanding of employment trends.
- Developed a robust application using NodeJS, ReactJS, and Canva Developer APIs for bulk creation of posters and invitations, streamlining event operations by 75%.
- Administered the WordPress Event Calendar on the university's multi-site CMS, optimising event scheduling and management.

Clark University, Department of Maths and CompSci.   **December 2023 – Present**
Research Assistant
- Engineered an application integrating TikTok APIs and OpenAI to develop a personalised video recommendation system using NextJS, Tailwind CSS, TypeScript, and NodeJS.
- Deployed the application using Docker on Azure, providing a scalable solution for research into GPT's effectiveness as a recommendation model.
- Designed and implemented a client-side tracking solution to measure video watch times, generating critical data to assess GPT-driven content recommendations.

Listed DotFans Limited, Bangalore, Karnataka, India   **December 2022 – July 2023**
Software Development Engineer
- Led the frontend development for a high-traffic application serving over 250,000 daily active users, achieving a Lighthouse performance score of 95 by optimising components built with ReactJS, NextJS, and Tailwind CSS.
- Directed a team of 3-4 developers to deliver the company's first revenue-generating feature, boosting daily active users by 25% and driving immediate revenue post-launch.
- Collaborated closely with backend developers to integrate business logic, resulting in a 50% decrease in API response times and improved user experience.
- Implemented WebSockets for real-time communication and established comprehensive testing protocols, enhancing overall product reliability and user retention.
- Managed code versioning and control using Git CLI and Bitbucket.

EDUCATION

Master of Science in Information Technology (STEM)   **May 2025**
Clark University, Worcester, Massachusetts | Overall: 3.9/4.0 GPA

Bachelor of Technology in Computer Science & Technology   **May 2022**
Dayananda Sagar University, Bangalore, Karnataka, India | Overall: 6.94/10 GPA

Relevant Skills

Programming Languages & Frameworks: ReactJS, NextJS, NodeJS, ExpressJS, TypeScript, JavaScript (JS), Flask, Python, HTML5, CSS
Tools & Platforms: Git, GitHub, Bitbucket, WordPress, Shopify, Docker, AWS, GCP, Azure, Microsoft Office Suite
Databases: MySQL, Postgres, MongoDB

Related Projects

OpeninApp Chrome Extension
Developed a Chrome extension using NextJS, NodeJS, Express, and MySQL that serves as both a bookmark and a smart link generator. Enabled users to track performance metrics of their saved links.

(https://chrome.google.com/webstore/detail/openinapp-links-that-open/nlobmelldlojlomikicneipgpmjbofmf)