Varun Kiragi

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Education

University of California, Davis — Bachelor of Science, Computer Science   June 2023
- Relevant coursework: Data Structures and Algorithms, Algorithm Design and Analysis, Operating Systems, Computer Networks, Computer Graphics

Experience

Software Engineer   June 2023 - July 2024
MyAIChef
- Played a key role in the development of an AI-based iOS application that generates customized meal plans and delivers groceries, tailored to user preferences and goals, as part of a small collaborative team.
- Optimized web scraping algorithms in Python using pandas and Beautiful Soup, which achieved a 20% reduction in execution time.
- Created useful application features such as customization algorithms and quizzes, done in TypeScript and React Native.
- Enabled smooth navigation experience, and incorporated user friendly input features, resulting in an increase in user satisfaction and an aesthetically pleasing UI/UX.
- Application is currently on the iOS App Store.

Projects

Bhavya Solutions Website
- Led the design and implementation of bhavyasolutions.com, a comprehensive website for a client's business, utilizing React, JavaScript, HTML, and CSS.
- Implemented responsive design principles, ensuring the website offers an optimal viewing experience across all devices by adding pleasing animations and a dynamic routing system.
- Successfully enhanced the client's online presence with a SEO-optimized, responsive website, leading to increased traffic, customer engagement, and measurable business growth.
- GitHub Repository: github.com/vkiragi/bhavya-solutions

Personal Portfolio
- Created a dynamic portfolio using React, JavaScript, HTML, and CSS, showcasing web development skills.
- Implemented interactive features such as a personal messaging system, animations, dynamic routing, and a responsive web design.
- Garnered engagement with the portfolio, attracting a diverse audience, and receiving recognition on professional networks.
- GitHub Repository: github.com/vkiragi/personal-portfolio

Social Networking App
- Designed and conceived a feature rich social networking application in Java, incorporating features such as user profiles, posts, comments, friend requests, and friend recommendations.
- Utilized backend logic for user interaction and a friend suggestion algorithm, implementing various data structures such as Graphs, Trees, and Hash Tables for various actions. This ensured a seamless user experience while showcasing expertise in data structure utilization.
- GitHub Repository: github.com/vkiragi/social-networking-app

StudentJob Website
- Rapidly acquired proficiency in CodeIgniter, PHP, and MySQL to develop a full stack job recruiting website, emphasizing a user-friendly interface designed with Bootstrap for seamless job search and application processes.
- Engineered a secure and efficient back end system for user data management, implementing flexible search filters.
- Optimized platform performance through rigorous testing and feedback integration, resulting in a scalable architecture that supports future growth and feature development, thereby improving matchmaking efficiency between job seekers and employers.

Skills

Languages: Java, Python, JavaScript, TypeScript, PHP, MySQL, HTML, CSS
Frameworks and Libraries: Node.js, React, React Native, Tailwind CSS, Flask, Beautiful Soup, pandas

GitHub and Personal Portfolio

- GitHub Repository: github.com/vkiragi?tab=repositories
- Personal Portfolio: vkiragi.github.io/personal-portfolio