KANISHK SHEDSALE

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Education

New Jersey Institute of Technology (May 2023) — Newark, NJ
Master of Science in Computer Science | GPA: 3.8 / 4.0 — Sep 2021 - May 2023

- Coursework: Software Design & Production Methodology | Cloud Computing | Web Systems Development | Data Management & System Design | Cryptography & Security | Security & Privacy in Computer Systems| Operating Systems Design | Data Structures & Algorithms | Internet & Higher Layer Protocols | Information System Principles

D.K.T.E's Textile & Engineering Institute (Sep 2020) — Kolhapur, Maharashtra, India
Bachelors in Information Technology — Jun 2016 - Sep 2020

Experience

Vidushi Infotech — Pune, India
Frontend Developer — Oct 2020 - Aug 2021

- Spearheaded the development, debugging, and continuous maintenance of React-based code for both in-house and client websites, resulting in a 20% reduction in post-launch bug reports.
- Collaborated seamlessly with cross-functional teams, including designers and technical experts, in a startup setting, contributing to accelerating project timelines by 15% through effective teamwork and agile methodologies.
- Successfully followed agile methodologies, actively participating in daily scrum meetings and sprint planning, maintaining open and effective communication channels with stakeholders, resulting in a 10% increase in project alignment with business goals.
- Conducted rigorous cross-browser compatibility and responsive design testing on websites, ensuring optimal user experiences and achieving a 98% satisfaction rate among end-users due to the elimination of compatibility issues.
- Established performance optimization techniques, resulting in a 30% improvement in website loading times and overall user satisfaction.
- Ensured compliance with WCAG accessibility standards, making websites accessible to all users and expanding the audience reach
- Developed a reusable component library in React, streamlining development processes and reducing development time by 15%
- Proficiently utilized code versioning tools like Git and collaboration platforms such as GitHub to streamline team workflows and code management

New Jersey Institute of Technology — Newark, NJ
Graduate Teaching Assistant (Operating Systems Design, CS630) — Sep 2022 - Dec 2022

- Worked closely with the course instructor to ideate & design lab assignments for linux kernel programming.
- Assisted a class of 39 students with lab assignments & homework related to linux kernel and writing simple kernel modules.

Skills

Languages: JavaScript(ES6), Python, C++, HTML, CSS
Tools & Frameworks: React.js, Node.js, Express.js, Next.js, SASS, Mocha, Chai, Git, Docker, AWS EC2, AWS S3, Linux, Vercel
Database Systems: MySQL, MongoDB, PostgreSQL

Projects

LinkedIn Clone
https://github.com/kanishk44/linkedin-clone

- Spearheaded the integration of Firebase authentication into a React app, enabling efficient login, registration, and profile management.
- Developed robust features such as profile picture upload, post creation and updates, liking and commenting, connections, and user search functionality, enhancing user engagement and satisfaction.

SkyCast (Weather App)
https://github.com/kanishk44/skycast

- Designed and implemented a sleek weather application using React and Semantic UI React library.
- Integrated the OpenWeatherMap API to provide users with real-time weather data, including temperature, humidity, sunrise, and sunset, tailored to their current location.

ChatGPT Clone
https://github.com/kanishk44/ChatGPT-React

- Created a ChatGPT clone using React, providing an interactive chatbot experience.
- Integrated the OpenAI API to generate responses across a wide range of topics, such as Q&A, grammar correction, and bug fixing.

Sample size calculator
https://github.com/kanishk44/sample-size-calculator

- Implemented a Python Flask tool adhering to SOLID principles and object-oriented programming to calculate minimum sample size for a given population, margin of error, standard deviation, and confidence.
- Achieved streamlined deployment and scalability by containerizing the application using Docker.