

# KANISHK SHEDSALE

+91 9405584375 · kanishk.shedsale@gmail.com · github.com/kanishk44 · Maharashtra

## Education

---

### New Jersey Institute of Technology

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

Kolhapur, Maharashtra, India

#### Bachelors in Information Technology

Jun 2016 - Sep 2020

## Experience

---

### Vidushi Infotech

Pune, India

#### Frontend Developer

Oct 2019 - 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
- 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%
- 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)

May 2022 - May 2023

- 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/Next.js, Firebase, Vite, SASS, Git, Docker, AWS EC2, AWS S3, Linux, Vercel, Mocha, Chai

**Database Systems:** MySQL, MongoDB, PostgreSQL

## Projects

---

### Wine Quality Prediction over AWS EMR:

<https://github.com/kanishk44/wine-quality-prediction-over-aws-emr>

- Developed and trained a wine quality prediction ML model in Spark over AWS EMR, utilizing parallel processing on 4 EC2 instances.
- Implemented a Docker container for the prediction application, ensuring quick deployment across various environments.
- Applied Apache Spark and MLlib for efficient parallel training and cloud-based ML model development.

### 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

### 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

### 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