

Shlok Kadakia

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EDUCATION

Depaul University, Chicago, IL Present
Master of Science in Computer Science
Relevant Coursework: Database Systems, Software Engineering, Distributed Systems, Applied Algorithms, DevOps
Navrachana University, Vadodara, India June 2019 – June 2023
Bachelor of Technology in Information Technology; Minors in Internet of Things CGPA: 8.0/10.0
Relevant Coursework: Networking, Software Engineering, Operating Systems, Algorithms, A.I, Cloud Computing

SKILLS

Languages: Java, SQL, Javascript, Python, , C#, C
Tools: VS Code, Git, Figma, Adobe XD, AWS, Azure, GCP, IntelliJ, Eclipse
Frameworks: React Js, Dot.NET, Next Js, Node Js, Spring boot,
Database: Oracle SQL Developer, Microsoft SQL Server Management, MongoDB
Cloud: Jenkins, GitLab CI, Docker, Kubernetes, Terraform
Certifications: AWS Academy Graduate ([Cloud Foundations](#), [Data Analytics](#))

PROFESSIONAL EXPERIENCE

CloudInfoSoft, Vadodara, India | *Full Stack Developer Intern* Jan 2023 – June 2023

- Design, development, and maintenance of critical server-side components for .NET applications, enhancing system architecture and operational efficiency.
- Configured and seamlessly integrated RESTful APIs facilitating communication among application's client- side components, resulting in a 30% improvement in functionality and response time;
- Collaborated cross-functionally with a team of 10+ developers and designers to drive continuous improvements, resulting in a 15% acceleration in project delivery timelines and a 100% client satisfaction rate.

Vardaam Web Solutions, Vadodara, India | *UI/ UX Developer Intern* May 2022 – Oct 2022

- Developed and standardized a comprehensive design language that included specific color schemes, typography choices, and icon sets, leading to a 40% increase in brand consistency across all digital platforms.
- Redesign of 5 major projects, directly contributing to a 30% improvement in user engagement and a 25% increase in user satisfaction scores through the introduction of user-centered design principles.
- Conducted usability testing with over 20+ participants to gather actionable feedback, leading to iterative design improvements that enhanced user experience and interface usability by over 35%.

PROJECTS

SkinOCare | *TypeScript, Python, TensorFlow, Docker, Node.js* March 2025

- Architected and implemented a comprehensive skin cancer detection application using React.js, TypeScript, and Node.js that processes dermoscopic images through a CNN model achieving 75.94% accuracy across 7 different skin lesion classifications.
- Designed MongoDB schema supporting 7 cancer types with 30+ medical attributes per type, achieving query response times under 50ms for data retrieval operations.
- Optimized communication between Node.js backend and Flask ML service, achieving average image analysis response times of 2.8 seconds for 4MB images, a 65% improvement over initial implementation.

Strandaaid App | *React Native, Python, Figma* Sept 2022

- Contributed with a 9-member team to architect and deploy an autonomous drone swarm system, enhancing real-time surveillance across four key sectors: airports, borders, industrial sites, and disaster recovery zones. Utilized advanced technologies such as Machine Learning, IoT, and Computer Vision to improve monitoring and security measures.
- Formulated a comprehensive user interface that showcases real-time data visualizations, including live video feeds from drones, object detection alerts, and historical data analysis, resulting in a 40% improvement in operational response times.
- Led the research and implementation of the MQTT protocol, establishing a seamless communication framework between the drone fleet (5+ drones) and the ground station, which increased data transmission efficiency by over 30%.