

DAKSHIL KALPESH SHAH

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EDUCATION

Master's in Computer Science and Engineering

August 2021 - February 2023

University at Buffalo, The State University of New York 3.5/4.

Coursework: Analysis of Algorithm, Operating System, Computer Networks, Pattern Recognition, Tech Entrepreneurship.

Bachelor of Computer Engineering

June 2015 - June 2019

University of Mumbai 3.8/4.

Coursework: Object Oriented Programming, Software Engineering, Machine Learning, Data Structures.

WORK EXPERIENCE

Software Developer at CTDI – ASP.NET, C#, JavaScript, jQuery, HTML, Oracle

August 2023 - Present

- Led a cross-functional team of 3 in the design, development, and delivery of a custom logistics tracking system, enhancing warehouse device management and operational efficiency.
- Partnered with hardware engineering teams to integrate functional tests into the system, enabling accurate real-time tracking of devices both systematically and physically.
- Architected a robust web application optimizing performance and scalability to handle large-scale data processing and streamline workflow management.

Software Developer at BNMC – React.js, Express.js, TypeScript, Docker, Node.js

March 2023 – August 2023

- Executed secure login system and role-based access control for personalized user accounts and appropriate permissions, ensuring secure access to university portal using industry-standard authentication protocols.
- Devised a comprehensive dashboard for daily activities, including timetable management, assignment submission and grading, seamless communication channels for efficient collaboration among students and staff.
- Designed and accomplished a **mobile-responsive** interface, coupled with a **CI/CD** pipeline, to ensure smooth access across devices and enable rapid updates and deployment of university portal.

Associate Software Engineer at CodeArray Technologies Pvt. Ltd

August 2019 - June 2021

Full Stack Developer, University Management Information System (UMIS): <https://umis.brabu.edu.in/>

- Engineered an innovative **MVC.NET** application that revolutionized University transactions and internal workflow procedures, streamlining operations, and enhancing efficiency.
- Developed bespoke **APIs** capable of processing Excel sheets as input and seamlessly storing the data into databases, eliminating the need for manual intervention, and streamlining workflow by **100%**.
- Seamlessly integrated a payment gateway API into the system, resulting in a remarkable **2x** acceleration of the checkout process for online transactions, providing users with a frictionless and speedy payment experience.

Full Stack developer, Wavoo(Child Development and Monitoring): <https://www.mywavoo.com/>

- Spearheaded and mentored a dynamic team of **5** professionals, fostering collaboration and synergy, while overseeing the entire project lifecycle in **Vue.js** and **Python**, ultimately delivering a high-quality product on time.
- Successfully implemented robust SMS and Email service, seamlessly integrated with website, powered by **TWILIO** and **SMTP**, resulting in **30%** increase in communication efficiency and immediate response times.
- Harnessed the power of **Python**, **HTML** and **JavaScript** to craft a seamless and visually captivating website, whilst integrating front-end and back-end functionalities, resulting in an engaging and immersive user experience.

TECHNICAL SKILLS

Programming Languages: C#, C, Java, Python, Java - Spring boot.

Databases: MySQL, PostgreSQL, MsSQL.

Web Development: Vue.js, HTML, CSS, Bootstrap, JavaScript, React.js, jQuery, Flask, Express.js, TypeScript.

Tools/Frameworks/Libraries: ASP.NET, MVC, Entity Framework, WPF, Git, SVN, Figma, AWS, GCP, LINQ, Azure.

PROJECTS

Parama Care (React, HTML, JavaScript, jQuery, and Java spring-boot)

February 2022 - Present

- Pioneered the construction of a full-stack web application, implementing **MVC** architecture, revolutionizing the healthcare system by seamlessly integrating appointment scheduling, Google location API and Zoom meetings within a single, intuitive platform, resulting in a **40%** improvement with patient engagement.
- Championed the coordination and collaboration of both the Front-end and Back-end teams, ensuring seamless technological integration and driving the successful delivery of the system on the **AWS** infrastructure, achieving a **20%** increase in system uptime and scalability.
- Propelled the adoption of Agile **SCRUM** methodology, orchestrating a high-performing team and effectively managing resources, resulting in the completion of the project in an impressive **30-hour** timeframe.