DAKSHIL KALPESH SHAH

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EDUCATION

Master's in Computer Science and Engineering   *August 2021 - December 2022*
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 7.75/10.
Coursework: Object Oriented Programming, Software Engineering, Machine Learning, Data Structures.

WORK EXPERIENCE

Associate Software Developer at CodeArray Technologies Pvt. Ltd   *August 2019 - June 2021*
Full Stack Developer, GreenBills: https://www.greenyourbills.com/
- Developed and managed project in **ASP.NET** and **C#** to create new features and resolve issues raised by client.
- Implemented SMS and Email service that can be sent right from website operating TWILIO and SMTP.
- Increased optimization of system by 23% by creating custom APIs and enhanced SQL queries.

Full Stack Developer, University Management Information System (UMIS): https://umis.brabu.edu.in/
- Built an application in MVC.NET to automate all the University transactions and internal workflow procedures.
- Designed custom API that takes excel sheet as input and stores to database reducing manual workflow by 100%.
- Implemented payment gateway API for online transactions making checkout process 2x faster.

Full Stack developer, Wavoo(Child Development and Monitoring): https://www.mywavoo.com/
- Led a team of 5 to collaborate on project in Vue.js and Python and managed final handoff of product.
- Developed an application which was leveraged by both Doctors and Parents for tracking children's growth.
- Utilized Bootstrap, HTML, JavaScript, and jQuery to devise website's Front-end and Back-end.

TECHNICAL SKILLS

Programming Languages: C#, C, Java, C++, Python, Java - Spring boot.
Databases: MySQL, PostgreSQL, MsSQL.
Web Development: Vue.js, HTML, CSS, Bootstrap, JavaScript, React.
Tools/Frameworks/Libraries: ASP.NET, MVC.NET, Git, SVN, Figma.

PROJECTS

Parama Care (*React, JavaScript, jQuery, and java spring-boot*)   *February 2022 - May 2022*
- Built a Full stack web application using MVC architecture for healthcare system to schedule appointments and conduct zoom meetings right through system.
- Led Front-end and Back-end team to collaborate on technology and deliver system on AWS.
- Initiated Agile SCRUM methodology to complete project.

PintOS (*C*)   *August 2021 - December 2021*
- Kernel-level programming. Leveraged C to schedule, preempt threads using Semaphores, Pointers, Monitors.
- Accomplish MLFQS for priority scheduling and process management for monolithic kernel.
- System call handler for memory management and buffer cache management and virtual memory management.

Media Player Controlled by Hand Gestures and Facial Expressions (*ASP.NET*)   *July 2018 - May 2019*
- Represented a new technique to interact with computer in a non-tangible way. Specifically, designed a Media Player system controller by Facial Expressions and Gestures.
- Executed 5 hand-gestures and 3 facial expressions which was associated with commands to control player.

CERTIFICATES
- Successfully completed spoken tutorials on C, Java, Python and Java Business and Application by IIT- Bombay.

EXTRA-CURRICULAR
- Was captain of college soccer team.
- Founding member of Entrepreneurship club, sigma (2017 - 2019).

HONORS AND AWARDS
- Won inter-state soccer competition.
- Won elocution competition.