

Dakshil Kalpesh Shah

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EDUCATION

University at Buffalo | Master of Science in Computer Science

August '21 – Present

Coursework: Analysis of Algorithms, Operating Systems, Computer Networks, Pattern Recognition

University of Mumbai | Bachelor of Engineering in Computer Engineering (GPA: 7.75/10)

June '15- June '19

Coursework: Analysis of Algorithm, Object Oriented Programming, Software Engineering, Machine Learning

WORK EXPERIENCE

Associate Software Developer at Codearray Technologies Pvt. Ltd.

August '19- June '21

- GreenBills:** <https://www.greenyourbills.com/> (Full Stack Developer)
 - Developed a project in **ASP.NET**.
 - Worked on new features, issues raised by client, bug fix.
 - Created APIs, handled Database (MySQL), designed UIs, deployed code on staging and production.
- University Management Information System (UMIS):** <https://umis.brabu.edu.in/> (Full Stack Developer)
 - The application was developed in **MVC.NET**.
 - Automated all the University transactions, internal workflow procedures of a university as well as the interaction with students, faculty, parents, and the management.
 - Designed UIs, created APIs and managed Database (PostgreSQL).
- Wavoo(Child Development and Monitoring):** <https://www.mywavoo.com/> (Front-end)
 - Developer a project in **Vue.js**
 - Lead UI developer.
 - The application was used by both the Doctors and the Parents for tracking the child's growth.
 - Used Bootstrap, HTML, JavaScript and JQuery to create different Webpages.

TECHNICAL SKILLS

Programming Languages: C#, C, Java, C++, Python

Databases: MySQL, PostgreSQL

Web Development: Vue.js, HTML, CSS, Bootstrap, JavaScript

Tools/Frameworks/Libraries: ASP.NET, MVC.NET, Git, SVN

PROJECTS

PintOS- **Aug '21 – Present**

- Kernel-level programming. Using C language to schedule, preempt the threads using Semaphores, Pointers, Monitors.

Text Chat Application- Socket Programming **Aug '21 – Present**

- An application wherein multiple clients can connect with each other over server and send/receive files and messages.

Media Player Controlled by Hand Gestures and Facial Expressions- ASP.NET, Image processing **July '18 – May '19**

- We represented a new technique to interact with the computer in a non-tangible way. Specifically, we designed a Media Player system controller by Facial Expressions and Gestures.
- We had 5 hand-gestures and 3 facial expressions which was associated with a command to control (e.g., to select, play, pause the video) the video player.

Book Bank- **Feb '18 – May '18**

- Created an application which was used by students as well as by the librarian.
- It was used by students to search & order books, pay fine. The librarian side feature was to keep a track of all the books.

Job Searching Portal- **July '17 – Nov '17**

- This website enables user to apply and search for different kind of jobs. A web application running on localhost using XAMPP server. HTML, CSS, JavaScript, JQuery, PHP were used in making the project.

CERTIFICATES

- Successfully completed spoken tutorials on C, Java, Python and Java Business and Application