

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 7.75/10.

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

WORK EXPERIENCE

Associate Software Engineer 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, Python, Java - Spring boot.

Databases: MySQL, PostgreSQL, MsSQL.

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

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

PROJECTS

ChatBot (Python, Flask, Apache Solr, JavaScript, HTML)

August 2022 - December 2022

- Constructed a fully functional chatbot which retrieved information (relevant responses) from data which was scrapped from reddit using PushShift API and chitchat dataset.
- Scrapped data and chitchat dataset were classified using Naive Bayes Classification and S-Bert model was used to train the data, providing an accuracy of 98%.
- Hosted and deployed application to Google cloud app engine on Google cloud platform.

Parama Care (HTML, 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 in 30 hours.

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.

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).
- Won inter-state soccer competition.