

RUCHITA MAKWANA

ruchitahm@gmail.com | (510)953-0355 | San Francisco, CA, United States

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

State University of New York at Binghamton, NY
Master of Science in Computer Science

Aug 2021 – May 2023

K.J. Somaiya Institute of Engineering and Information Technology, Mumbai, India
Bachelor of Engineering in Information Technology

Aug 2014 – Jul 2018

TECHNICAL SKILLS AND ABILITIES

Programming Languages:	JavaScript, TypeScript, Java, Python, HTML5, CSS3, SASS
Databases:	MongoDB, MySQL, NoSQL
Frameworks:	React.js, Node.js, Express.js, AngularJS, Bootstrap, Java Spring Boot
Technology and Tools:	Redux, GitHub, VS Code, Postman

PROFESSIONAL WORK EXPERIENCE

Global Health Impact Project, Application Developer | Binghamton, NY

Jan 2022 – May 2022

- Developed a **Java Spring Boot** automation script that reduced manual data entry and manipulation by up to **30%**, mapping specific data from source to destination **MySQL** databases and Excel files using the **Apache POI** library.
- Streamlined programming language and dependency installation for developers and non-technical users by creating a **PowerShell** script that downloads and installs necessary components for **Windows OS**, saving valuable time and effort.
- Ensured data consistency by cross-checking displayed website information with an accurate and reliable database for drugs and diseases, developed and maintained using **MySQL**.

Accenture Solutions Pvt. Ltd, Application Developer Analyst | Mumbai, India

Aug 2018 – Jul 2021

- Developed and maintained over **60** dynamic and editable templates and functionalities for the SelfServe dashboard using **HTML5**, **CSS3**, **Bootstrap**, **JavaScript**, and **jQuery**, ensuring compatibility across multiple screen resolutions and various browsers.
- Implemented **User Interface** for a Testing Automation Tool using **Angular8**, validating various scenarios and functionalities such as routing, input, and form validation.
- Successfully managed app-related activities such as testing, approving app ratings and user comments, and ensuring compliance with AppCatalog and DataCatalog portals.
- Provided exceptional 24/5 support, working diligently to ensure seamless operations and prompt issue resolution.

ACADEMIC PROJECTS

Food Review Website | Binghamton, NY

Jan 2023 – Mar 2023

- Created and maintained a responsive **MERN(MongoDB, Express.js, React, and Node.js)** application allowing users to perform **CRUD** operations by adding comments, rating, as well as store their favourite dishes.
- Implemented user engagement features using **Redux**, such as the ability for the users to manage their saved dishes, and an admin panel allowing for control over comments, feedback, and user details.
- Built **RESTful APIs** using Node.js, Express.js, and MongoDB as a back-end for seamless communication between the client and server.

Optical Character Recognition for handwritten digits using KNN | Binghamton, NY

May 2022 – Jul 2022

- Developed a web application for Optical Character Recognition using the **KNN algorithm**, utilizing **TDD methodology** for the provided test inputs, achieving **93%** accuracy using **JavaScript**, **HTML5**, and **CSS3**.
- Improved the user interaction of the application using **React**, **Redux**, and **TypeScript**.

Analysis on Obesity | Binghamton, NY

Aug 2021 – Dec 2021

- Conducted 4 data analysis tasks investigating the impact of obesity on the physical and mental health of individuals.
- Utilized **MongoDB** pipeline to integrate data and performed real-time interpretation of results using **Node.js**.

Resume Refinement System using Semantic Analysis | Mumbai, India

Aug 2017 – Jun 2018

- Developed a web application for online recruitment using **Natural Language Processing (NLP)** techniques to assist recruiters in identifying suitable candidates.
- Utilized **Python**, **HTML5**, and **CSS3** to create a user-friendly interface and **PhpMyAdmin** database for the application, ensuring a smooth user experience.
- Employed semantic analysis techniques to identify the most relevant resumes based on the job description, thereby reducing the time and effort required for manual screening.

CERTIFICATIONS:

- Front-End JavaScript Frameworks: **Angular** from Coursera
- Front-End Web UI Frameworks and Tools: **Bootstrap 4** from Coursera
- Front-End Web Development with **React** from Coursera
- Server-side Development with **NodeJS**, **Express** and **MongoDB** from Coursera