# RUCHITA HARESH MAKWANA

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## EDUCATION

**State University of New York at Binghamton, NY**  **August 2021 – May 2023**
Master of Science in Computer Science

**K.J. Somaiya Institute of Engineering and Information Technology, Mumbai, India**  **August 2014 – July 2018**
Bachelor of Engineering in Information Technology

## TECHNICAL SKILLS AND ABILITIES

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

## PROFESSIONAL PROJECT EXPERIENCE

**Global Health Impact Project, SUNY at Binghamton [Application Developer]**  **January 2022 – May 2022**
- Reduced manual data entry and manipulation by up to 30% through the development of a Java Spring Boot automation script that maps specific data from source to destination databases and Excel files.
- Simplified the programming language and dependency installation process for developers and non-technical users by creating a PowerShell script that downloads and installs the necessary components, saving valuable time and effort.
- Developed and maintained an accurate and reliable database for various drugs and diseases using MySQL, ensuring data consistency by cross-checking the information displayed on the website with the database contents.

**Accenture Solutions Pvt. Ltd, India [Application Developer Analyst]**  **August 2018 – July 2021**
- Developed and maintained dynamic and editable templates and functionalities for the SelfServe dashboard, fixing several template bugs and ensuring compatibility with various screen resolutions and browsers.
- Implemented the User Interface using Angular8 for a Testing Automation Tool, requiring validation of various scenarios and functionalities such as routing, input, and form validations.
- Performed testing and managed various app-related activities, including hosting various apps, approving app ratings, and ensuring compliance with AppCatalog and DataCatalog portals.
- Provided 24/5 support, working various shifts to ensure smooth operations and timely issue resolution.

## ACADEMIC PROJECTS

**Food Review Website, SUNY at Binghamton**  **January 2023 – May 2023**
- Developed and maintained a MERN(MongoDB, Express, React, and Node.js) application allowing users to review and rate dishes, as well as store their favorites.
- Implemented user engagement features, such as the ability for 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 and Express for seamless communication between the client and server.

**Analysis on Obesity, SUNY at Binghamton**  **August 2021 – December 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.
- Developed data visualization tools to effectively communicate findings.

**Resume Refinement System Using Semantic Analysis, K.J.S.E.I.T**  **August 2017 – June 2018**
- Developed a web application for online recruitment using Natural Language Processing (NLP) techniques to assist recruiters in identifying suitable candidates.
- Utilized Java, HTML5, and CSS3 to create a user-friendly interface for the application, ensuring a smooth user experience.
- Preprocessed resume data using NLP techniques such as tokenization, stopword removal, stemming, and lemmatization to extract useful information and remove noise.
- 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.

**Movie Success Prediction**, **K.J.S.E.I.T**  **August 2016**
- Developed a web application focused on predicting the success of movies using social network analysis and text-mining techniques
- Designed and implemented a MySQL database to store and manage data from various sources
- Used HTML5 and CSS3 to create an interactive and visually appealing user interface for the web application