

📍 Mumbai
📞 +91-9867376365
🌐 <https://www.linkedin.com/in/ruchita-makwana>

✉️ ruchitahm@gmail.com
🌐 <https://ruchitahm.github.io>

PROFILE INFO

Experienced software development professional with expertise in web application development and design. Proficient in HTML, CSS, JavaScript, Angular, Node.js, and React, enabling the creation of innovative and user-friendly interfaces. Demonstrated proficiency in developing and deploying complex backend systems, web services, and databases. Committed to delivering high-quality solutions that meet client requirements and enhance the overall user experience.

EDUCATION

- **2021 - 2023**
State University of New York at Binghamton
Master of Science in Computer Science
- **2014 - 2018**
K.J. Somaiya Institute of Engineering and Information Technology
Bachelor of Engineering in Information Technology

SKILLS

- **Languages:** Python, Java, JavaScript / TypeScript, HTML5, CSS3, SASS
- **Software & OS:** Google Cloud Platform (GCP), Visual Studio Code, Docker, Linux, Postman, Figma, Webpack, Microsoft Office Suite, Git, Redux, Agile, JIRA, SDLC
- **Front-end Technologies:** React.js, Angular, Bootstrap, jQuery, AJAX
- **Back-end Technologies:** Node.js, Express.js, Java Spring Boot, Flask API, RESTful API
- **Databases:** PostgreSQL, MySQL, NoSQL, SQL, MongoDB, Firebase

CERTIFICATES

- Google UX Design Specialization, Google | May 2024
- Full Stack Web Development with React Specialization, Coursera | Jan 2023
- Full Stack Web Development with Angular Specialization, Coursera | Feb 2019

EXPERIENCE

- **Aug 2023 - Dec 2024**
SUNY at Binghamton University | California, USA
Full Stack Developer
 - Pioneered the development of a streamlined online attendance and reporting system on **Google Cloud Platform (GCP)**
 - Engineered the backend **API** using **Python Flask** and **MongoDB** as a scalable data storage solution for efficient retrieval
 - Designed an intuitive front-end using **React.js** and **Figma** to optimize **UX** through user-friendly layouts and seamless interaction flows
 - Conducted **user research** and **usability testing** to identify pain points and enhance the user experience
 - Effectively reduced manual efforts by implementing automation features, resulting in improved accuracy and increased efficiency in attendance tracking

■ Jan 2022 - May 2022

Global Health Impact Project I New York, USA (Internship)

Full Stack Developer

- Increased efficiency by developing an innovative solution, using **Java Spring Boot** with a **React.js** frontend that automated **Excel** to **MySQL** data transfers, resulting in a **30%** reduction in manual entry
- Build an innovative **Python**-based system with **React.js** integration to ensure the accuracy of critical drug and disease information stored in a **MySQL** database
- Introduced an intuitive **PowerShell script** for easy and efficient software setup on **Windows OS**, benefiting developers and non-technical personnel alike
- Led the implementation of **Bootstrap** for frontend development and used **Node.js** for backend programming to optimize resource utilization, maintain data integrity, and improve operational efficiency

■ Aug 2018 - Jul 2021

Accenture I Mumbai, India

Application Developer Analyst

- Managed the creation and maintenance of **60+ editable** and **responsive** templates using **HTML5**, **CSS3**, **Bootstrap**, **JavaScript**, and **jQuery** for diverse dashboards. Ensured seamless **cross-browser** compatibility and upgraded **user experience**
- Deployed **Angular 8** for the implementation of an advanced Testing Automation Tool, featuring an boosted user interface to maximize modularity and scalability
- Applied **SDLC** methodologies and **Agile** principles to develop high-quality code using Angular's robust framework, resulting in successful projects that met industry standards
- Provided continuous support, rapidly resolving **Angular**-related problems, ensuring seamless system operations and dependability

PROJECT EXPERIENCE

■ Jan 2023 - May 2024

Food Review Website

- Implemented a **responsive** food review **website**, enabling users to rate and comment on dishes. Utilized **MongoDB**, **Express.js**, **React**, and **Node.js** for a responsive platform, and incorporated **Redux** for state management alongside **RESTful API** development

■ May 2022 - Jul 2022

OCR For Handwritten Digits Using KNN

- Developed an **Optical Character Recognition** web application using **K-Nearest Neighbors**. Applied **Test-Driven Development** (TDD) to achieve **93%** accuracy in digit recognition. Enhanced **UI** development with **React**, **Redux**, and **TypeScript**, utilizing **JavaScript**, **HTML5**, and **CSS3**

■ Aug 2021 - Dec 2021

Analysis On Obesity

- Conducted **data analysis** on obesity's impact on physical and mental health. Adopted **MongoDB pipeline** and **Node.js** for seamless **data integration** and real-time interpretation. Demonstrated strong data analysis skills and proficiency in database management

PUBLICATIONS

■ Mar 2018

Resume Refinement System using Semantic Analysis

International Journal of Innovative Science and Research Technology

A web application utilizing **semantic analysis** and **NLP** to streamline recruitment. It analyzes resumes to help recruiters efficiently identify suitable candidates. Developed with **Python**, **HTML5**, **CSS3**, and advanced NLP techniques for an intuitive **UX**.

AWARDS

- Joint Creative Head of Student Council | 2016
- Creative team member of ALUMNI Committee | 2016-2017
- Participated in Smart India Hackathon | 2017