RUCHITA HARESH MAKWANA

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EDUCATION

STATE UNIVERSITY OF NEW YORK AT BINGHAMTON   **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**

SKILLS

- **Languages :** Python, Java, JavaScript / TypeScript, HTML5, CSS3, SASS,
- **Software and 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

- Full Stack Web Development with Angular Specialization from Coursera
- Full Stack Web Development with React Specialization from Coursera
- Google UX Design Specialization from Google

PROFESSIONAL EXPERIENCE

SUNY BINGHAMTON UNIVERSITY   **San Francisco, CA**
Research Assistant   **Aug 2023 – Aug 2024**
- 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 intuitive front-end using React.js to optimize UX and facilitate seamless interaction
- Effectively reduced manual efforts by implementing automation features, resulting in improved accuracy and increased efficiency in attendance tracking

GLOBAL HEALTH IMPACT PROJECT   **Binghamton, NY**
Full Stack Developer   **Jan 2022 – May 2022**
- Increased efficiency by developing an innovative solution – a Java Spring Boot application integrated 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

ACCENTURE   **Mumbai, India**
Application Developer Analyst   **Aug 2018 – Jul 2021**
- 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.

PROJECTS

FOOD REVIEW WEBSITE   **Jan 2023 – May 2024**
- 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

OCR FOR HANDWRITTEN DIGITS USING KNN   **May 2022 – Jul 2022**
- 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

ANALYSIS ON OBESITY   **Aug 2021 – Dec 2021**
- 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