Jay Bipin Ganatra

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EDUCATION

Syracuse University - College of Engineering & Computer Science, Syracuse, NY   August 2022 - Present
Master of Science in Computer Science - CGPA: 3.889/4
Relevant Coursework: Structured Programming and Formal Methods, Principles of Operating Systems, Introduction to Cryptography, Design & Analysis of Algorithms, Computer Architecture, Principles of Social-Media and Data Mining.

University of Mumbai - K J Somaiya Institute of Technology, Mumbai, Maharashtra   August 2018 - June 2022
Bachelor of Technology in Information Technology - CGPA: 8.9/10
Relevant Coursework: Data Structures and Analysis, Data Mining and Business Intelligence, AI, IoT, Logic Design, Computer Networks, Automata Theory, Cryptography and Network Security, UI/UX Design Specializations, Cloud Computing.

WORK EXPERIENCE

Software Development Intern, MindScript, Thane, Maharashtra   December 2020 - May 2021
- Delivered high-quality softwares by enhancing functionality of websites under counsel of senior developers.
- Designed and implemented user-friendly and visually appealing UI for Admin portals using the React framework.
- Improved page loading times by 34% on search booking page through implementation of an efficient web page caching system.
- Implemented push notifications for the Progressive Web Application (PWA) using Node.js
- Contributed to creation of a UI library that can be utilized for future client projects, ensuring consistency and streamlined development processes
- Collaborated with cross-functional teams and provided technical support to ensure project success and client satisfaction

ACADEMIC PROJECTS

Digital Student Cards Portal   February 2021 - Present
- Designed and built a comprehensive portal currently being used by 6 educational institutes under Somaiya Trust to store and manage an extensive range of student information, including health records, academic performance, and extracurricular activities, in real-time.
- Led the design and development of the portal together with 2 other students using React and hosted it on Vercel.
- The portal features dynamic updates, real-time access, and the ability to seamlessly integrate with various internal systems, making it possible to access and manage student information with ease.
- Implemented REST APIs to connect to the backend and created multiple components to increase functionality.

Event Management System (EMS)   June 2020 - May 2022
- Led a team of 5 talented students in the development of an integrated Event Management System to streamline event management across various departments of my undergraduate college.
- Adopted a MVC pattern while implementing Object-Oriented Concepts in PHP with a MySQL database.
- Utilized HTML, CSS, JavaScript, and Bootstrap to create a user-friendly and visually appealing interface.
- Provided guidance and mentorship to the team to ensure the successful delivery of the project within the set deadline.
- Collaborated with more than 100 faculties and heads of departments to gather requirements, understand their needs, and provide technical solutions to meet their needs.

ATM Location Recommendation System   August 2021 - May 2022
- Developed a portal to find best location to set up an ATM in a region based on various parameters using clustering algorithms.
- Utilized Vancouver as a sample and generated 5 different clusters where an ATM could be placed.
- Created the backend with Flask and HTML, CSS, JavaScript and Tailwind for the frontend.

TECHNICAL SKILLS
- Languages: JavaScript - TypeScript, PhP, Python, Haskell, Java, C++, Dart, SQL.
- Frameworks and Technologies: Node.js, React.js, Vue.js, Tailwind, Laravel, Flask.
- Tools: Jira, Confluence, Miro, Git, Docker, Postman, Jenkins, WordPress, Figma, Adobe XD, Linux, Microsoft Office.
- Others: MySQL, MongoDB, AWS, GCP, HTML, CSS, SASS, jQuery, Flutter.

CERTIFICATIONS
- The Complete Front-End Web Development Course – Udemy, April 2020.
- DevOps Foundations – LinkedIn, April 2023

OTHERS
- Served as the Organizing Admin of the IETE Committee chapter of KJSIT.
- Designed and managed a website for JOSH Foundation, a non-profit organization working on curing hearing impairment in children.
- Volunteering to distribute the grocery to 200-250 households every week at the Central New York Food Pantry.