

SAKSHIKUMARI RAJESHBHAI PATEL

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EDUCATION

Illinois Institute of Technology, Chicago, IL

May 2025

Masters in Computer Science, GPA: 3.67/4.0

- Relevant Coursework: Design Analysis and Algorithm, Software Engineering, Computer Networks I: Fundamentals.
- Currently learning: Machine Learning, Cloud Computing and Probabilistic Graphical Models.

Dharmsinh Desai University, Nadiad, INDIA

May 2023

Bachelor of Technology in Information Technology, GPA: 3.29/4.0

- Relevant Coursework: Data Structure and Algorithms, Database Management System, Cyber Security, Advanced Java Technology, Distributed Computing, design Patterns.

SKILLS

Programming Language: C++, Python, Java, C, JavaScript, HTML, CSS, Bash script.

Technologies & Frameworks: JSP, Servlets, NodeJs, ReactJs, ASP .net.

Tools, Database & OS: Amazon Web Services, Visual Studio, Linux/Unix, Jupyter Notebook, SQL.

EXPERIENCE

Project Intern

Institute for Plasma Research, Gandhinagar-Ahmedabad, INDIA

December 2022 - March 2023

- Collaborated with institute's team to create customized plugins for the Joomla Framework in alignment with specific requirements of institute.
- Executed advancement to latest iteration, Joomla 4.2(PHP), and elevated system through an integration of a tailored workflow chart encompassing diverse access control levels.
- boosted user interface for employee access control, fostering a more intuitive and refined user experience achieving a 20% improvement in website access control efficiency.
- Constructed and deployed a logging system, augmenting tracking capabilities within the CMS to align seamlessly with its specific requirements of an institute.

PROJECTS

Your Personal Assistant

January 2022 - September 2022

- Developed an ecommerce website specializing in sale of healthcare products, aimed at improving accessibility and user experience for consumers.
- Utilized Python programming language and Django framework to architect and implement project, ensuring robustness and scalability.
- Implemented streamlined technology solutions to simplify navigation and functionality, enhancing usability for users with varying levels of technical proficiency.
- Fostered a user-centric approach through user testing and feedback mechanisms, continually refining and improving platform to meet evolving user needs and expectations.

Age Calculator

December 2021 - March 2022

- Developed a user-friendly age calculator accurately determining an individual's age based on individual's input birthdate.
- Engineered a Compiler for string operations specifically tailored to the Gujarati Language. Compiler facilitated efficient string manipulation tasks for users, enhancing productivity and accessibility within Gujarati-speaking communities.
- Implemented flex code for lexical analysis and a syntax analyzer for seamless integration into the Compiler project. Adaptation of flex code ensured optimal performance and accuracy in parsing and interpreting Gujarati strings.

Online Voting System

July 2021 - November 2021

- Orchestrated a Database Management System project, architecting an interface enabling users to participate in specific elections through online voting mechanisms.
- Leveraged SQL databases to efficiently manage and query vast amounts of voter data and election records, ensuring high performance and reliability throughout voting process.
- Implemented stringent security measures, including encryption techniques and access control mechanisms, to safeguard an integrity and confidentiality of voting data.
- Employed web development technologies such as HTML, CSS, and JavaScript to create intuitive and responsive user interfaces.