RUJU KIRITKUMAR PATEL

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SUMMARY

Detail-oriented Computer Science and Engineering Master's graduate with experience in full-stack web development. Proficient in both front-end and back-end technologies, including Vue.js, Java, REST and SQL.

EDUCATION

Santa Clara University, Santa Clara, CA   **Dec 2022**
Master of Science, Computer Science and Engineering
Relative Courses : *Computer Networks, Design & Analysis of Algorithms, Artificial Intelligence, Advanced Database Systems, Operating Systems, ML , Distributed Systems, Object Oriented Programming with Java, Computer Architecture, Big Data*
C.K. Pithawala College of Engineering and Technology, Surat, India   **May 2019**
Bachelor of Engineering, Computer Engineering

TECHNICAL SKILLS

Programming Languages : Java, Python, C, C++, C#
Web Technology : PHP, HTML5, CSS, TypeScript ,Spring, JavaScript, VueJS, Flask
Databases : MySQL, Oracle, PostgreSQL, Hadoop, MongoDB
Technologies : Android(Java), .NET
Cloud Technologies : AWS
CD/CI : Git, Docker

PROFESSIONAL EXPERIENCE

Santa Clara University, California   **Oct 2022 – present**
Research Assistant (Full Stack Developer)
- Developing a web application to simplify the reservation process for testing machines at Cepheid's R&D labs, aiming to increase client retention by 10%.
- Using Vue.js for creating frontend elements, and Flask for automating backend user authentication and HTTPS query routing. Employing Swagger UI for API documentation and testing.
- Utilized Docker for containerization, streamlining deployment processes and enhancing scalability of the application.

Reliance Industries Limited, Hazira, India   **May 2018 – June 2018**
Vocational Trainee (Software Development Intern)
- Developed a .NET website for waste management throughout the plant, using ASP.NET, C#, HTML, and CSS.
- Created rich web user interfaces, made design changes and enhancements to the application using ASP.NET and AJAX (Asynchronous JavaScript and XML) Control Toolkit. Utilized object oriented design principles for server-side functionality.
- Worked in an Agile environment and achieved 25% reduction in manual labor and on-time completion.

ACADEMIC PROJECTS

Chord Protocol for Distributed Systems   **Mar 2022 – May 2022**
- Employed concepts of distributed computing to engineer a project to locate a node in a peer-to-peer distributed system that contains data to be fetched within a network using Chord protocol. Accelerated process of locating a node by 20% compared to other distributed Hash Tables.
- Devised a project using java, where each Amazon-EC2 instance functions as a node and has its own distributed storage.

Itinerary Generation Platform   **Oct 2021 – Nov 2021**
- Built a website that provided travel itinerary based on user input such as user location, interests, and the specified time frame.
- Worked with VueJS and Vuetify for the frontend. Integrated to the backend using SpringBoot framework connected to MongoDB and deployed on Amazon-EC2 instance.
- Integrated INRIX, find route API and FourSquare, get venue info API.

Sansad Aadarsh Gram Yojna   **Mar 2018 – June 2018**
- Designed, developed, debugged, and published an android application for Sansad Aadarsh Gram Yojna, an initiative by the Indian government. The application worked as an interface between the Members of Parliament and the villagers of the adopted villages.
- Determined architectural and product design details for open-ended tasks. Developed user interfaces using XML, backed using java. Used RESTful APIs.
- Reduced communication gap between villagers and government and increased people's participation by 15%.

ACTIVITIES AND CERTIFICATIONS

Activities and Achievements
- Sansad Aadarsh Gram Yojna (SAGY): Android app launched on 25th June 2018 by Governor of Punjab for the north and northwestern regions of India. Developed under initiative of Smart India Hackathon-2018 by All India Council of Technical Education
- Speaker at the Unnat Bharat Abhiyaan 2.0 workshop and orientation held by the Ministry of Human Resource Development.
- Second runner's up in Smart India Hackathon (National level coding competition) - 2018 out of 1121 teams nationwide.

Certifications
- **Coursera :** Machine Learning, Data Structure and Performance, Object Oriented Programming in java
- **Udemy :** Android App Development For Beginners
- **Google certificate :** Cybersecurity - Pursuing