Sankalp Tiwari

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EDUCATION

San Jose State University, GPA: 3.7 / 4.0 — August 2022 – May 2024
Master of Science in Computer Software Engineering

Shri Ramdeobaba College of Engineering and Management, GPA: 7.4 / 10.0 — July 2016 – May 2020
Bachelor of Engineering in Information Technology

TECHNICAL SKILLS

Languages: Python, JavaScript, Java
Web Development: HTML, CSS, React, Next.js, Node.js, REST API, Visualforce, Salesforce, Salesforce Einstein
Databases & Frameworks: SQL, PostgreSQL, SQLite, MySQL, NoSQL, MongoDB, SOQL, Flask, Django, Angular
Tools & Technologies: Git, AWS EBS, AWS S3, AWS RDS, Docker, Kubernetes, Postman, Spring Boot, JIRA, Dataloader, Agile

RELEVANT COURSEWORK

Data Structures, Algorithms, Software Design Patterns, Object Oriented Programming, Operating Systems, Database Management Systems, Distributed Systems, Enterprise Software Technologies, Data Mining, App Development, Agile, and Technical Communication, Artificial Intelligence, Software Development Life Cycle

WORK EXPERIENCE

***Software Engineer** – Stetig Consulting, Pune, India* — June 2020 – June 2022

- Developed and customized solutions including web pages, process triggers, validation rules, workflows, and integrations to meet specific business requirements, resulting in a 16% increase in process automation
- Designed REST APIs to facilitate seamless communication between different systems and platforms, resulting in a 30% reduction in data retrieval time and improving overall system performance
- Developed comprehensive test plans, and test cases to ensure the reliability and performance of the products
- Led a team of two in constructing Einstein Bots and Client Connect PDF, resulting in a 23% increase in client sales
- Implemented automated customer support with Einstein bots, resulting in a significant increase in chat deflection rate and a drastic reduction of response time for the customer support team by almost 84%
- Built customized dashboards and reports showcasing key product features, driving a remarkable 18% surge in revenue within the CRM market

PROJECTS

***Back2Office**, link* — **Java | ReactJS | Spring Boot | JWT | MySQL | AWS (EBS, S3, RDS)**

- Created an end-to-end Office Space booking application, encompassing features such as searching offices, booking spaces, editing/canceling bookings, and adding amenities through the development of 50+ APIs
- Deployed Back2Office to AWS Elastic Beanstalk along with a load balancer, effectively distributing network traffic and achieving a 27% improvement in response time and scalability
- Ensured the security of the application by implementing a robust authentication system using JWT-based authentication, and Spring Security, resulting in a 36% decrease in unauthorized access attempts

***Recipize**, link* — **Python | Dart | Android Studio | TensorFlow**

- Developed a user-friendly mobile application leveraging image recognition technology to offer personalized recipe suggestions based on scanned ingredients, resulting in a 21% reduction in food waste
- Aimed to assist users in minimizing food waste by providing personalized meal recommendations based on their existing pantry ingredients
- Improved user experience by integrating the application with a comprehensive database of over 5,000+ recipes, resulting in a 47% increase in user engagement and a 12% higher retention rate

***Microblog**, link* — **Python | Flask | JavaScript | HTML | SQLite**

- Created and launched a full-stack web application modeled after a popular blogging platform, employing modern front-end and back-end technologies along with version control, resulting in a 19% decrease in bounce rate
- Added essential features such as web forms, user authentication, profile management, avatars, follower system, pagination, and support for various date and time formats
- Enhanced user experience by incorporating localization and internationalization capabilities, making the application accessible to a global audience resulting in a 43% increase in user engagement from international markets