

HINAL PRABODH PATEL

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EDUCATION

Northeastern University

Master of Science in Information System

Courses: Application Engineering Development, Web Design/user Experience, Programming Structures and Algorithms, Data Management and Database Design

Boston, MA

Expected May 2024

Mumbai University

Bachelor of Engineering in Information Technology

Courses: Data structure and algorithm analysis, Object-oriented programming methodology, Database management Systems, Web Programming, Distributed System

Mumbai, India

May 2019

PROFESSIONAL EXPERIENCE

INFOSYS LIMITED

Senior Software Engineer

Hyderabad, India

October 2021 - June 2022

- Developed a comprehensive automation strategy encompassed all manual processes in case management system; utilized data analytics to identify high-value automation opportunities and saved 20+ hours per week
- Devised and integrated external APIs with Appian to enable Coordinated data transfer, while leveraging HTML templates to enable email functionality
- Implemented 80 intuitive interfaces which dynamically presented drop-down menus based on user selection, allowing for efficient and accurate case creation
- Conducted thorough analysis of Oracle database and executed optimization strategy with focus on query tuning, index optimization and data caching; achieved 50% reduction in load times and improved data retrieval on Appian site

INFOSYS LIMITED

Software Engineer

Hyderabad, India

February 2020 - October 2021

- Partnered with a leading financial institution to identify and design a comprehensive Document Management System in Appian; delivering a scalable solution that increased team efficiency by 25% and reduced document retrieval time by 40%
- Engineered and applied a sophisticated business automation flow optimized end-to-end document management process, encompassing document processing, and archiving into an external database decreased document processing time by 60%
- Spearheaded implementation of database management techniques to store and maintain document information, resulting in a remarkable 80% enhancement in system efficiency, boosting productivity and accelerating workflows

INFOSYS LIMITED

Microsoft Full Stack Developer

Mysore, India

October 2019 - February 2020

- Designed and tested a fully functional web application using Angular, Visual Studio, Postman, MySQL, .NET, and C# ^[1]_{SEP} technologies; reduced user bounce rate by 25% and surged conversion rate by 30%
- Architected and coded the back end for a shopping cart capstone project that met all project specs and exceeded professor's ^[1]_{SEP} expectations, reduce API response time by 70% and improve scalability

TECHNICAL SKILLS

- LANGUAGES:** Java, XML, HTML, CSS, SQL, .NET, C#, SCSS, JavaScript, Python
- FRAMEWORKS & LIBRARIES:** React.js, MVC, Express.js, Node.js
- FUNCTIONAL SKILLS:** Web UI, Appian Business Process Automation, Unit Testing, Requirement Analysis, SDLC, Object Oriented Programming, Agile Methodology
- DATABASE:** MySQL, Oracle, Microsoft SQL Server, MongoDB
- TOOLS & TECHNOLOGY:** Git, Eclipse, Visual Studio Code, Appian, Jira, Power BI
- CERTIFICATIONS:** Appian Application Designer Credential (L1 Credential), Appian Application Analyst Credential (L2 Credential), Oracle Certified Professional Java SE 6 Programmer

ACADEMIC PROJECTS

INSTAGRAM ANALYSIS

- Designed and analyzed database system to maintain and manage data for Instagram influencers, posts, users, reels, and stories
- Authored data tracking mechanisms to monitor comments on new posts, track the number of likes on posts, stories, and reels, determine the number of followers of an influencer page, and calculate the follower growth rate and engagement rate
- Employed stored procedures, table level check constraints, triggers, and functions to enforce data integrity and ensure consistent and reliable operations within the database systems
- Assessed and presented collected Instagram data by developing visually appealing dashboards with Power BI, reducing the time required to analyze and present the data by 40%

NEST HUB, WEBSITE FOR ROOMMATE FINDER

- Orchestrated a cross-functional team to create a groundbreaking roommate matching website using multimedia technology; leveraged user data to build business logic that enhanced roommate-matching accuracy by 40%
- Spearheaded the development of a responsive website by leveraging advanced HTML and SCSS skills and deploying React.js, Node.js, Express, and MongoDB for the back end that elevated engagement by 25%
- Integrated all website components, ensuring a smooth and cohesive user experience, while testing for bugs and errors to deliver a polished product that exceeded customer expectations