ISHAN VILAS SARODE

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Available Immediately

EDUCATION

Indiana University -Bloomington **Aug 2023 – May 2025**
Master of Science in Computer Science ***GPA: 3.8***

Savitribai Phule Pune University **Aug 2019 – May 2023**
Bachelor of Technology in Information Technology ***GPA: 3.81***

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, HTML, CSS
Frameworks: React.js, Node.js, Express.js, Spring Boot, JUnit, Jest, Cypress
Databases: Relational Databases: MSSQL, PostgreSQL, MySQL **NoSQL**: MongoDB, Mongo
Developer Tools: VS Code, Postman, Git, GitHub, Visual Studio, Figma, UI/UX, Docker
Others: Amazon Web Services (**AWS**), Agile development, Teamwork, Leadership

WORK EXPERIENCE

IDeaS - A SAS Company **Jul 2022 – Jun 2023**
Associate Software Developer Intern - Java, MSSQL, REST APIs, AWS, Kubernetes, Docker, JUnit *Hybrid*
- Engineered automated onboarding functionality using **Java, MSSQL, REST APIs, and Vaadin**, reducing onboarding time by 85% for a major client in the company's largest G3 project.
- Developed a test environment on **AWS with Kubernetes and Docker,** reducing storage by 57% and test time by 42%.
- Wrote comprehensive Unit and Integration tests with **JUnit** and Mockito leading to 81% code coverage of components
- Improved the **CI/CD** pipeline and automation flow, leading to a 33% decrease in run-time of automation tests.

Powermech Eng Systems **Jan 2022 – Jun 2022**
Full Stack Engineer Intern - React JS, Material UI, REST API, Spring Boot, MongoDB, Cypress *Remote*
- Led UI development of Product Dashboard from prototyping in **Figma** to developing in **React JS** with Material UI
- Defined a comprehensive **REST API** for user management functionality using **Java Spring boot MVC** architecture
- Implemented data encryption in MongoDB for user authentication, enhancing security and protecting sensitive data
- Wrote 50+ E2E integration tests in **Cypress** and 80+ Unit tests in JUnit for backend achieving 90% code coverage

Vridhi Enterprises **May 2021 – Aug 2021**
Web Developer Intern - HTML5, CSS3, JavaScript, Bootstrap, AWS S3, SEO *Pune, MH, India*
- Revamped website with advanced **HTML5, CSS3, JavaScript, Bootstrap**, achieving 50% increase in user reach
- Implemented responsive design principles for optimal performance across devices, launching the website on **AWS S3**
- Applied SEO best practices to improve website visibility and organic search rankings, contributing to increased traffic
- Conducted performance optimization, reducing page load time by 30% through code minification and image compression

PROJECTS

Smart Rental Management System - *React.js, Node.js, PostgreSQL, Typescript, Cypress, Selenium*
- ∗ Designed & built an end-to-end rental platform from prototypes to production, with **React, Node, Material UI**.
- ∗ Applied UI/UX best practices to enhance user experience and accessibility, reducing user drop-off rates by 75%.
- ∗ Formulated 50+ End to End tests in **Cypress & Selenium**, achieving 90% code coverage & improving overall reliability

Movie Booking Management System - *React.js, Node.js, Express.js, MongoDb*
- ∗ Developed a comprehensive movie booking management system using the **MERN** Stack, implementing agile methodologies reducing development time by 25%.
- ∗ Integrated advanced functionalities, including seamless Google authentication, a robust payments page using **Stripe API**, and three distinct user views tailored for customers, employees, and administrators.

Airport Database Management System - *MySQL, React, Node*
- ∗ Designed a robust application based on database design principles using **MySQL**, ensuring seamless data handling for airlines, optimizing data retrieval and storage processes
- ∗ Developed a user-accessible interface in **React**, allowing passengers to seamlessly access and view pertinent flight information. Utilized the **Node.js** web framework for backend to enhance system performance and ease API integration

COVID-19 Bed Finder and Recommendation System - *Java, OOP, Data Structures*
- ∗ Programmed a robust COVID-19 Bed Recommendation and Finder system in **Java** using **Object-Oriented Programming** principles, ensuring code modularity and maintainability
- ∗ Incorporated **Data Structures and Algorithms** to design a user-friendly interface that displays nearby testing laboratories and real-time bed availability counts in nearby hospitals, enhancing the user's decision-making process