Vaidehi Mungekar

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EDUCATION

Master of Science in Computer Science   **Aug 2019 - May 2021**
San Diego State University, USA   GPA: 3.37/4.0
Coursework: Advanced Object-Oriented Design Programming, Combinatorial Algorithms, Scientific Database Techniques, Big Data: Tools and Methods, Machine Learning, Modern Web Development Frameworks, Computer Security

Bachelor of Engineering in Information Technology   **Jul 2010 - Jun 2014**
University of Mumbai, India   First Class
Coursework: Data Structure and Algorithms, Software Engineering, Networking Technology for Digital Devices

TECHNICAL SKILLS

Languages	Java, C#, Python, PHP, JavaScript EC6, R, GraphQL
Web Technologies	HTML5, CSS3, Bootstrap, jQuery, Node.js, Express.js, React.js, Redux, AJAX, JSON, XML
Technologies and Frameworks	RESTful Web Service/API, ASP.NET MVC, Entity Framework, Spring Boot, Spark, Kafka, AWS
Database Technologies/Tools	SQL, MySQL, PL/SQL, T-SQL, NoSQL: MongoDB, SSIS, Microsoft SQL Server, Oracle 11g
Development Tools	Git, JIRA, Visual Studio Code, IntelliJ IDEA, Jupyter Notebook, Docker, Kubernetes, RabbitMQ
Software Development Skills	Agile Development, Scripting with Linux/Unix

WORK EXPERIENCE

Student Assistant - Web Developer, San Diego State University, USA   **Oct 2019 - May 2020**
Technologies: JavaScript, PHP, Java, Bootstrap, HTML5, CSS3, WordPress
- Developed full stack websites using JavaScript frameworks and PHP for **4** departments in College of Engineering
- Designed responsive and dynamic webpages using WordPress and OmniUpdate for office of University President
- Mitigated vulnerabilities in web applications with Java and ensured to pass **98%** of OWASP security standards

Software Engineer - Associate Consultant, Atos Syntel, India   **Apr 2015 - Apr 2018**
Client: Hospital Corporation of America (HCA), *Projects: Care Assure, Health Information Management*
Technologies: C#, ASP.NET MVC, Entity Framework, Web API, Node.js, SQL, SSIS, JavaScript, jQuery, AJAX, HTML5, CSS3
- Programmed healthcare modules in ASP.NET MVC for post-discharge care of high-risk patients in **135** hospitals
- Fetched millions of patient records with SQL, Entity Framework, and overhauled RESTful web services with Web API
- Performed unit testing to ensure maintenance, reusability and deployed user stories using Git following agile method
- Reduced patient readmission cost by **30%** and increased evidence-based care efficiency by **80%** through development
- Coordinated between **3** cross-functional teams and received SPOT award for completing penalty-based project

PROJECTS

Inventory Management System [React.js | Node.js | Express.js | GraphQL | MongoDB | AWS]   **Feb 2021 - Present**
- Developing a full-stack application having CRUD functionalities for different categories of products using React.js
- Implemented API with GraphQL, NoSQL MongoDB cluster on AWS with server functionality using Node.js, Express.js

Health Management System [PHP | MySQL | JavaScript | jQuery | HTML5 | CSS3 | Bootstrap]   **Jun 2020**
- Built a full-stack application to register patients and doctors, book and manage appointments based on specialization
- Designed user interface, database tables and queries and programmed modules to administer user accounts

Automobile RESTful Web Service [Java | Spring Boot | REST Assured | JSON | Postman API]   **Mar 2020**
- Developed a web service to perform CRUD operations for automobiles using design patterns in Java and Spring Boot
- Implemented vehicle property-based filtering with JSON, automated testing using REST Assured and Postman API

Patient Appointment Data Analysis [Python | Libraries: Numpy, Pandas, Matplotlib]   **Dec 2019**
- Performed exploratory analysis on Kaggle dataset with **110527** medical appointments for a healthcare system
- Identified key features in dataset, calculated probability of patients missing appointments and suggested improvement

Spreadsheet Application [Java | JUnit]   **Sep 2019**
- Developed a desktop application to evaluate postfix expressions and display in value and equation view in Java
- Implemented Interpreter, Observer and State design patterns and performed testing of application using JUnit