

VAIDEHI MUNGEKAR

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EDUCATION

Master of Science in Computer Science	San Diego State University, USA	GPA: 3.37	Aug 2019 - May 2021
Bachelor of Engineering in Information Technology	University of Mumbai, India	Percentage: 65.65	Jul 2010 - Jun 2014

TECHNICAL SKILLS

Languages:	Java, C#, Python, PHP, JavaScript, R
Technologies and Frameworks:	HTML5, CSS3, jQuery, Bootstrap, Node.js, Express.js, React.js, AJAX, JSON, Web API, RESTful Web Service/ REST API, GraphQL, .NET, ASP.NET, ASP.NET MVC 5.0, ADO.NET, Entity Framework 6.0
Database Languages and Tools:	SQL, MySQL, MongoDB, NoSQL, SSIS, Microsoft SQL Server
Development Tools:	Git, Microsoft TFS, JIRA, Visual Studio, Visual Studio Code, Eclipse, Brackets, IntelliJ
Software Development Methodologies:	Agile Development, Waterfall Development

Relevant Courses in MS: Advanced Object-Oriented Design and Programming, Combinatorial Algorithms, Modern Web Development Frameworks, Big Data: Tools and Methods, Scientific Database Techniques, Machine Learning, Computer Security

WORK EXPERIENCE

Student Assistant-Web Developer, San Diego State University, USA Oct 2019 - May 2020

PHP, JavaScript, Java, HTML5, CSS3, Bootstrap

- Developed full stack websites using PHP and JavaScript for professors in 4 departments of College of Engineering
- Designed responsive and dynamic webpages for office of University President and departments using WordPress and OmniUpdate
- Analyzed and mitigated vulnerabilities in web applications using Java and ensured to pass at least 98% of security standards

Software Engineer-Associate Consultant, Atos Syntel, India Apr 2015 - Apr 2018

C#, ASP.NET, ASP.NET MVC 5.0, Entity Framework 6.0, Web API, Node.js, SQL, JavaScript, jQuery, AJAX, HTML5, CSS3

- Programmed Care Assure modules using C#, .NET MVC for post-discharge care of high-risk patients in 135 hospitals across USA
- Built HIM PART manager workflow with JavaScript, AJAX and transformed Patient Account rules from mainframe into SQL
- Devised SQL queries, stored procedure to handle millions of patient records and created Web API for data driven RESTful services
- Performed modular unit testing to ensure maintenance, reusability and deployed user stories using TFS, Git following agile model
- Reduced readmission cost by 30% and increased efficiency of evidence-based patient care through software development efforts

PERSONAL PROJECTS

Patient Appointment Data Analysis May 2020

Python, Libraries: Pandas, Numpy

- Performed exploratory data analysis on dataset with around 110000 medical appointments for a healthcare system in Brazil
- Identified dependent and independent variables in dataset those affect patients to miss appointments and calculated probability for not showing up to appointments

Automobile RESTful Web Service Feb 2020

Java, Spring Boot, REST Assured, JSON, Postman

- Developed a web service to perform CRUD operations for automobiles using Java and Spring Boot framework with design patterns
- Implemented filtering feature using JSON, performed automated testing using REST assured and utilized Postman API

ACADEMIC PROJECTS

COVID-19 Data Analysis April 2020

Python, Libraries: Pandas, Numpy

- Performed exploratory data analysis on COVID-19 cases in USA from January till April
- Analyzed daily and weekly cases as well as deaths, county wise cases and produced the visual representation of analyzed data

Inventory Product Management System Dec 2019

Node.js, React.js, GraphQL, MongoDB, jQuery, HTML5, CSS3, Bootstrap

- Developed a full stack web application to create a common product inventory dashboard with product search-based functionality
- Designed UI with React.js, created MongoDB cluster and built an API using Node.js with MongoDB

Healthcare Management System Dec 2019

PHP, MySQL, JavaScript, jQuery, HTML5, CSS3, Bootstrap

- Created an application to register patients and doctors, book appointments for patients and handle appointments for doctors
- Designed a database in MySQL using design principles, created UI using Bootstrap and implemented web pages using PHP

ACHIEVEMENTS

- Received the SPOT recognition award for completing penalty-based project contributed towards gaining revenue for Atos Syntel