

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
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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
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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
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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
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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
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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
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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
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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