Vir Thakor

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SKILLS

Programming Languages:	C++, Java, Python, PHP, C, C#, JavaScript, jQuery, HTML/CSS, Bash
Data & Databases:	SQL, MySQL, MongoDB, R, Oracle, JSON/XML
Libraries & Stacks:	Node.js, React.js, Laravel (PHP), LAMP, MEAN, D3.js, Bootstrap
Tools:	Git, Agile/Scrum, Linux/Unix, Windows, OSX, MySQL Workbench

EXPERIENCE

Customer Value Partners — *Associate Technologist*

July 2017 - Present: Centers for Medicare & Medicaid Services

Developed pages for approved users to access and edit referential data within the database. Built with Laravel PHP framework in an MVC pattern to process authorized HTTP requests. Lead on Section 508 Compliance testing.

American Express — *Software Development Intern*

2016: Global Authorizations Network Team

Created internal Web App to manage uploaded testing information using LAMP stack). Then, worked on a Proof of Concept project analyzing the Key Management System and feasibility of implementing a new method for scheduled key rotations within the DB manager.

Department of Energy — *Full-stack Development Intern*

2015: Energy Information Administration

Worked with team to develop web app that showed the flow of commodities by volume via sea routes on an interactive global map. Wrote procedures for user to generate customizable queries of trade routes to display, and developed visualization of trade routes. Project built with Oracle procedures, SQL, D3.js, HTML/CSS, jQuery

EDUCATION

University of California, Los Angeles — *BS in Computer Science*

2013 - 2017

Selected Coursework

Data Structures (C++), Web Applications, Intro to Data Mining, Software Engineering, Database Systems, Computer Network Fundamentals,, Intro to Artificial Intelligence, Intro to Algorithms and Complexity, Mathematical Modeling

PROJECTS

Club Connect — *Web/Mobile App*

Team project for school organizations to streamline signing in event attendees using a mobile app with ability to obtain data about the organization's member-attendance ratios through a web app built on Node.js & Kinvey database.

Pick 'em Sports Blog — *Web App*

Built a blog for a friend's idea to write about college football and provide an interface for him to upload and tag posts as well as receive comments from friends. Built using Laravel PHP MVC Framework, MySQL, jQuery, HTML/CSS

Trip Cost Splitter — *Web App*

Allows users to simplify splitting purchases between people involved in a group trip. Multiple purchases are entered that were made by individuals and outputs the amount of money each person owes another. JavaScript, jQuery

Object Recognition Using Training Dataset — *Python*

Kaggle competition using Python to perform accurate classifications on test data using 40000 sample training dataset. Data optimizations and a Majority algorithm comparing multiple algorithms resulted in a test accuracy of 79.47%.