

Vir Thakor

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OBJECTIVE

Inquisitive and adaptive software developer who helps users visualize and understand data. Specialty in web technology, data management and data analysis. Passionate about creating cutting edge technology that improves users' lives as a software developer at ____.

EDUCATION

University of California, Los Angeles — BS in Computer Science

2013 - 2017

SKILLS

Languages:	C++, Python, PHP, JavaScript, SQL, jQuery, Java
Data	RDS, PostgreSQL, MySQL, MongoDB, Python, Octave/Matlab, R
Libraries & API	Node.js, D3.js, RESTful API, Angular.js, React.js, Google Maps API, Stripe API
Tools	Amazon Web Services, Git, Agile/Scrum, Jira, Confluence, JAWS
Clearance	Public Trust

EXPERIENCE

Customer Value Partners — Software Development Engineer

July 2017 — Present in Towson, MD

Pixt Fashion:

- Developed for fashion startup using Machine Learning on images of clothing to return similar products across brands.
- Built inventory management site for clients to perform CRUD and management operations on items within each store.
- Designed and deployed subscription billing functionality and registration process for client stores.
- Utilized Amazon Web Services (AWS) tools: Lambda, API Gateway, Cognito user authorizations, RDS, EC2, DynamoDB.
- Performed Python Selenium web scraping, and Web Development with use of jQuery and Datatables.js.

Centers for Medicare & Medicaid Services (CMS):

- Developed platform for authorized CMS and state officers to share and analyze Medicaid programs' data.
- Reconstructed workflows to enhance User Interface and improve User Experience in response to User Acceptance Testing (UAT).
- Led Section 508 Compliance testing and achieved 100% accessibility.
- Utilized LAMP stack, PHP Laravel, MySQL, Javascript/ES6, Axure, JAWS, and Git in an Agile Development environment.

American Express, Global Authorizations Network Team — Software Development Intern

June - Aug. 2016: Global Authorizations Network Team in Phoenix, AZ

- Worked on a Proof of Concept project analyzing the Key Management System and feasibility of implementing a new method for key rotations within the DB manager through a centrally managed implementation.
- Created internal Web App to manage uploaded testing information using LAMP stack.

Department of Energy, Energy Information Administration — Full-stack Development Intern

June - Sept. 2015 in Washington, D.C.

- Collaborated on Web App that indicated 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 and developed the data visualizations.
- Implemented modified Dijkstra's Algorithm to create interactive navigation between cities, ports, and choke points of goods.
- Utilized Oracle procedures, SQL, D3.js, HTML/CSS, jQuery.

SELECTED COURSEWORK

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

PROJECTS

Club Connect — Web/Mobile App

- Worked with team on platform for school organizations to streamline checking-in attendees to events using a mobile app that scans student IDs and loads members' profile.
- Developed management tool to acquire and visualize attendance statistics through a web app.
- Built on Swift and website with Node.js & Kinvey database.

Data Classification — Python NumPy, Pandas

- Competed in Kaggle competition using Python to perform classifications on data from 40000 sample training dataset.
- Utilized data optimizations and a Majority algorithm based around a Logistic Regression comparing multiple algorithms resulted in a test accuracy of 79.47%.

Trip Cost Splitter — Web App

- Created Web Application that simplifies and streamlines splitting purchases between a group of people to output the amount each person owes another.
- Built using JavaScript, Node.js, jQuery.

Random World Generator: Used Noise functions and graph theory (including Voronoi diagram, centroids and Delaunay triangulation) to build a map with elevation and biomes.

Branching Story Game: Built platform for user to create a playable branching story with clickable options using jQuery

Bubble Text Visualizer: Parse a text block into a dynamic word cloud. Built using JavaScript and D3.js