Bhavana Maramreddy Buchannagari

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EDUCATION

Master of Computer Science, GPA - 3.75
The University of Texas at Arlington, Arlington, TX   May 2021
Relevant Coursework: Algorithms, Data Mining, Information Security, Machine Learning, Artificial Intelligence, Web development
Bachelor of Technology, Computer Science, GPA – 8.05
GITAM University, Hyderabad, India   May 2015

TECHNICAL SKILLS

Languages**:**   JavaScript, Python, HTML5, CSS3, Java, PHP, SQL
Technologies**:** ReactJS, Redux, AngularJS, AJAX, JSON, Flask, D3.js, Jest, Enzyme
Platforms: Azure, GCP, GitHub, Jupyter Notebook, Eclipse, PyCharm, Visual Studio, phpMyAdmin, Jenkins

EXPERIENCE

Frontend Developer
Virtusa Corporation, Hyderabad, India   June 2015 – April 2018

Project Highlights
- Assisted customer in building a **logistic management** web application to track shipments by third party vendors which expanded the scope of the business to new geographical locations.
- Developed vendor management and tracking system in the application.

Technical Details
- Developed Single Page application using the **ReactJS framework.**
- Programmed Service Integrations using Restful APIs.
- Created models, controllers, views, and routers. Utilized MVC principles to ensure a clean architecture and a lean codebase.
- Built and deployed jobs in Jenkins for automated deployment in development and QA environments.
- Proficient in developing Modular design patterns in JavaScript.
- Designed and maintained front-end page layout using **HTML, CSS, JavaScript.**
- Worked in an Agile environment in sprints. Participated in the conceptualization and translated UX wireframes into interactive features.
- Implemented unit testing using Jest and Enzyme.
- Skilled at debugging and resolving functionality issues.

Intern
Virtusa Corporation, Hyderabad, India   Feb 2015 – April 2015
- Developed examination portal for recruiting graduate students.
- Used **J2EE, Spring MVC and SQL** to develop an application through which students can take the test and recruiting team can review the results. Developed Java components using **JSP and Servlets**
- Created Unit Test Cases using JUnit.

PROJECTS

Adopt Pet Website(ReactJS), Github
API based application to improve the efficiency of search during adoption. Implemented the drop-down based search using Custom Hooks and used Context to set theme. Used Reach Router for navigation to the pet details page. The web application uses Error Boundaries technique to handle API limitations.
Cloud Web Application (Python, Flask, T-SQL, Azure, Google Cloud, AWS)
Developed multiple web applications to provide User Interface to query the databases. Deployed the web applications on Azure, Google Cloud and AWS. Created resource groups on azure and allotted azure resource groups to azure services.
Book Search and Predicting Book Genre (Python, Flask), Website
Built a book search engine. On searching using text data, displayed the most relevant books. Used Term Frequency and Inverse Document Index and calculated the cosine similarity to measure the relevance between the query term and matched book titles.
Online Restaurant Management System (HTML, CSS, JavaScript, PHP, Laravel), Website
Developed a responsive web application using Laravel PHP framework for an online restaurant to manage menu, website content and customer data.
Portfolio Website (**ReactJS, JSX**), Website
Built personal portfolio website using ReactJS. Developed the components using JSX. Used React Router for routing and Menu navigation.