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TEJAL VISHNOI

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EDUCATION

Rochester Institute of Technology, Rochester NY
Master of Science, Software Engineering. GPA: 3.57

Completion date-May 2019

EMPLOYMENT

Full Stack, Web Developer **CypherWorx, Rochester NY** **Jan 2018-Dec 2018**

- Designed and developed an interactive User Interface for support hub website using HTML, CSS, jQuery.
- Enhanced existing time-management and scheduling calendar service module using jQuery, AJAX and PHP.
- Created tables in the server-side processing mode using DataTables and jQuery, wrote SQL queries for them.
- Revamped front-end of Learning management system with 100+ web pages to more responsive, interactive interface.
- Participated extensively in user-acceptance testing procedures through focus-group meetings with prospective users.

Budget Assistant **Rochester Institute of Technology** **May 2017-Dec 2017**

- Provided high-level departmental budget support to the Financial Services Director.
- Created visually impactful dashboards in Excel and Tableau for data reporting by using pivot tables and VLOOKUP.
- Performed financial analyses using advanced Excel and SQL that helped management to make financial decisions.

Teaching Assistant **Rochester Institute of Technology** **Aug 2016-Dec 2016**

- Course: SWEN.261.15 - Introduction to Software Engineering
- Assisted Professor with grading and helped students with their project and homework queries

Assistant Software Engineer **OneUp Software Solutions, India** **March 2015-May 2016**

- Collaborated in development of a RESTful platform for a healthcare application.
- Contributed in database schema design and views in MySQL.
- Single handedly created website and app interface for the application using JavaScript and Bootstrap.
- Designed test cases for various use case scenarios to ensure optimal functionality of the application.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python
- **Web:** PHP, JavaScript, NodeJS, RESTful APIs, HTML, CSS, WCAG
- **Libraries & Frameworks:** Angular, Express.js, Django, Mongoose, jQuery, Bootstrap, Angular Material
- **Databases:** MYSQL, MongoDB
- **Software & Technologies:** AWS, Docker, Pentaho, SAS, Git, BitBucket, npm, JIRA

PROJECTS

- **Payroll System** - Created a responsive single page User Interface using Angular and Angular Material. Implemented backend as Node.js, Express.js application server.
- **Angular Recipe Keeper** - A small application in Angular to manage food recipes.
- **YouTube Spam Detection** - Developed YouTube comments spam detector by extracting data through YouTube's API. Implemented Naive Bayes Classifier in Java with an accuracy of 85% to filter spam comments.
- **Autonomous Car** - Designed architecture for an Autonomous Car. Developed critical processes in Java with high availability & performance requirements. Implemented Fault Detection and Recovery Tactics.
- **Data Warehouse for a Product Company** - Implemented a data mart using star schema dimensional modeling techniques. Performed ETL process in Pentaho.
- **Food Recommender System** - An attempt at using Item Based Collaborative filtering to recommend food items based on user's likes.
- **Tool Share Application** - A Django-Python web application allowing users to share tools within a community.