Rushabh G Patel

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WORK EXPERIENCE

Associate Software Developer, Vitech Systems Group (Java, JavaScript and Oracle)   **Aug 2018 to Present**
- Responsible for designing, coding and modifying websites, from layout to function and according to organization's requirement.
- Hands on experience with HTML, CSS, JavaScript, JQuery.
- Contribute to all aspects of Vitech's browser based Java product: development, deployment, testing.
- Build code to include maintenance, enhancement and troubleshooting.
- Provide technical assistance, problem resolution and troubleshooting support services to other teams.

Research Assistant, New York University (Algorithms using JavaScript and HTML5 canvas elements)   **May 2018 to Aug 2018**
- Responsible for designing, coding and modifying Algocynfas, from layout to function.
- Algocynfas is a project which animates JavaScript algorithms using HTML5 canvas element.

Full Stack Developer Intern, Vidyo, Inc. (Node.js/Express.js)   **May 2017 to Aug 2017**
- Designed and implemented a web based platform to enable the sales engineering team to perform demonstrations of the solution. The platform is utilized Vidyo's API (REST based as well as webRTC libraries for real time communication.)
- Performed software development both on web based platform as well as native application that aimed at improving and streamlining the current demonstration capabilities.
- Designed the web application using modern JavaScript and web framework that also interacts with AWS S3 and AWS RDS.

Web Developer, Y.S.P.S Unnatti (HTML, CSS, JavaScript)   **Jan 2014 to July 2016**
- Responsible for designing, coding and modifying websites, from layout to function and according to organization's requirement.
- Hands on experience with HTML, CSS, JavaScript, JQuery.

EDUCATION

- **Master of Science, Computer Science. (May 2018)**   **New York University**

  (Relevant Courses: Algorithms, Big Data Analytics, Foundation of Computer Science, Principle of Database System, Foundation of Data Science Computer Security, Computer Networks, Network Security)   *New York*

- **Bachelor of Engineering, Information Technology. (August 2016)**   **University of Mumbai**

  (Relevant Course): Data Structure & Algorithms, Advance Database Management, Advance Internet Technology, Cloud Computing, Web Programming, Object Oriented Programming)   *Mumbai*

- **Diploma, Computer Technology. (May 2013)**   **Maharashtra State Board of Technical Education**

  (Relevant Course: Software Engineering, Software Testing, Operating System, Java Programming, Relational Database Management System)   *Mumbai*

SKILLS

- Programming Language: Java, C, Python, JavaScript.
- Web Application Skills: Node.js, Express.js, HTML, Php and CSS.
- Database: SQL, PostgresSQL, MySQL, PL/SQL, Oracle DB.
- Big Data: Hadoop, MapReduce, PIG, SPARK.
- Amazon Web Service (S3, RDS, Elastic Beanstalk).

PROJECTS

Automatic Generation of Test Paper using Apriori Algorithm and Shuffling Algorithm. (Java, MySQL)
- The software allows you to create question bank for various programs, classes, chapters and store your data in an organized way.
- The tests can be exported to word file with your institute's header and footer and also optimized for printing to save on paper.
- Questions from the corresponding category is fetched by Apriori algorithm. Firstly, it fetches for the specified category name/subject name. The algorithm then searches for the difficulty level.

Cookzilla: A social networking service for cooking and reciepes (Web Programming)
- Cookzilla focuses on cooking and recipes.
- The site allows people to post cooking recipes, to review and grade posted cooking recipes, to attach additional suggestions to a posted recipe, to organize cooking meetings with other users.
- Both front-end and back-end responsibilities and was involved in coding.

Analysis of Yelp Dataset (Apache Spark SQL)
- We did a fusion of dataset provided by yelp with other publicly available dataset for population, income and weather to observe various interesting pattern about people, cultural trend, seasonal trends on local businesses.

Data Mining on Insurance Services (Java and Web Programming)
- The project is based on Data mining used for insurance services, based on classification and regression algorithm.
- We take input from users and suggest them appropriate policy. Team leader with a team of 3 members.

Android app for Vendor Training App (Android Programming)
- Developed Android app for a real company that provided housekeeping and related services.
- Features included teaching both soft skills and hard skills. Project was recognized by the head of the department.

Online Blood Donation Centre "www.save3lives.com". (Php and MySQL)
- Save3lives is a website that brings voluntary blood donors and those in need of blood on to a common platform.
- Through this website, we seek donors who are willing to donate blood, as well as who needs it.

Other Projects
- Placement and Attendance system using Naïve Bayesian. (Java)
- Software Engineering Implementation of Food Billing System. (Java)