

Harsh Jatinbhai Patel

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EDUCATION

North Carolina State University, Raleigh, North Carolina

August 2018 – May 2020 (Expected)

Master of Computer Science

Course Work: Design and Analysis of Algorithms, Foundation of Data Science, Internet of Things – Analytics.

Nirma University, Ahmedabad, India

July 2012 – June 2016

Bachelors of Technology, Computer Engineering (GPA: 8.72/10.0, First Class with Distinction)

Course Work: Analysis and Design of Algorithms, Artificial Intelligence, Data Mining and Warehousing, Design of Operating Systems, Data Structures, Cloud Computing, Object Oriented Programming, Database Management Systems.

TECHNICAL SKILLS

Core Programming Languages: Python, C++, C, R, Java

Web Languages and Frameworks: JavaScript, TypeScript, JQuery, HTML, CSS, MEAN Stack, AngularJS, Angular2, NodeJS, Meteor, Ionic, Cordova, Sencha Touch, ExtJS, ExpressJS, PHP, SQL, XML, JSON, WordPress, Bootstrap, Swift.

Databases: MongoDB, MySQL, MS SQL, Oracle Database.

Operating Systems: Windows (7, 8, 10, Server 2012 R2), UNIX (Fedora, Ubuntu, CentOS, Red Hat)

Tools and Softwares: XAMPP, RoboMongo, Git, FireBug, JIRA, Jenkins, Ansible, Perforce, SVN, Eclipse, Wireshark, Xcode, Android Studio, BrowserStack, PyCharm, Visual Studio.

WORK EXPERIENCE

Systems Engineer

Jun 2016 – Jun 2018

Digital Enterprise Services and Solutions, Tata Consultancy Services, Pune, India.

- Developed a project monitoring web application to automate the process of synchronizing different code modules of the project using ES6(Javascript) and TypeScript for automating the release of any project for a customer.
- Developed a hybrid mobile application using Ionic and Angular for employee data management of the company.
- Created APIs using NodeJs and ExpressJS using MongoDB as a database, also worked on Elasticsearch and LoopBack .
- Responsible for performing code reviews, writing automated test cases and end to end product deployment.

Web Application Developer Intern

Jan 2016 – May 2016

SDK-It Pro Pvt. Ltd , Ahmedabad, India.

- Worked on a web based application using JavaScript and DreamFactory (for creating REST APIs) to build a form creator that create dynamic forms based on the user's requirement and hosted it on the AWS cloud.

Technology Analyst

May 2015 – Jul 2015

Morgan Stanley, Bangalore, India.

- Designed a mechanism to reduce the delay and redundancy in fetching daily stock data for financial computation.
- Developed a financial web analytics portal using ExtJS and Sencha Touch using client data from APIs and displayed funds, expenses, wealth and investments on the portal using ChartJS and SVG.

PROJECTS

Inventory, Stock and Sales Web Application

- Developed a web portal that tracks the stock, inventory and sales of any business and predicts the sales using linear regression.
- Generated analytical charts and reports related to the sales and stock of a company using d3js and Highcharts frameworks.

Content Authoring Application

- Built a web application using AngularJS and NodeJs to push user generated content to a mobile application where the author can add content and send it to the application in real time where the mobile application was developed using Ionic Framework.

Event reporting Application

- Built a mobile application that gives live information related to an event such as location, speakers and timing of the event.
- Provides notification on any change in the details of the events and also displays real time news of the ongoing event.

Stock Market Analytics Module

- Developed a stock market analytics module using the map reduce framework of Hadoop based on historical stock data.
- Provides an analytical report that helps in creating a prediction code module to predict stock prices of a company.

EXTRACURRICULARS

- Worked as a Creative Head at the IEEE Student Branch, Nirma University where I organized and designed hackathons and programming competitions at the university.
- Represented the university at the International IEEE Xtreme Programming Competition 7.0(2013) and 8.0(2014).