

# Harsh Jatinbhai Patel

2356, Champion Ct, Raleigh, NC, 27606 | hpatel8@ncsu.edu | +1-(919)522-6824  
www.linkedin.com/in/harsh-patel-004 | https://github.com/patelharsh867

---

## 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**

**June 2016 – June 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**

**January 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 – July 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).