**Pritesh Ratnappagol**

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Computer Science graduate student with expertise in Java, C++ and experience working with JavaScript, Spring

**CAREER SUMMARY**

* Broad knowledge of object oriented programming and application development tools
* Experience in working with REST API and Spring Framework
* Experience with Agile environment and Java development
* Excellent ability to learn and implement new programming concepts
* Strong leadership, excellent communication and collaboration skills
* Skilled in critical thinking, analytics, logic and high math

**EDUCATION**

**Master of Science in Computer and Information Science** (3.39/4.00) May 2018

Purdue School of Science,Indianapolis, IN

Course Work: Database Management Systems, Algorithms, Cloud Computing, Distributed Systems, Artificial Intelligence,

Big Data, Object Oriented Design and Programming, Programming Languages

**Bachelor of Engineering in Information Technology** (3.48/4.00) June 2015

Shivaji University, Maharashtra, India.

Course Work: Operating Systems, Computer Networks, Cryptography, Advanced Microprocessor, Data Structure and Algorithms, Applied Mathematics, Information System Security

**TECHNICAL SKILLS**

* **Programming Languages :** Java , C, C++, C# , Python, SQL, PySpark, Pig Latin, Data Structures
* **Web Technologies :** JavaScript, Node.js, Bootstrap, PHP, HTML5, CSS, J2EE, Spring Boot, Spring MVC, JSON
* **Databases :** MySQL, SQL Server, MangoDB, MariaDB, Oracle
* **Software Applications :** Amazon AWS, GitHub, Eclipse, NetBeans, Adobe Photoshop, Docker, Postman

**PROJECTS**

**Online Shopping Application** using **MVC** architecture pattern and **RMI** Spring 2018

* Constructed a reliable distributed system utilizing object oriented software design patterns and frameworks
* Implemented Agile Methodology to build the project **[Java, SQL]**

**TLA+ Specifications (Temporal Logic of Actions)** Fall 2017

* Wrote TLA+ specifications for security in financial institutions and Lamport’s logical clock

#### **Flight Data Analysis (Big Data)** Fall 2017

* Performed quantitative and qualitative analysis on 40 GB of airline data using complex PySpark and Pig Latin scripts
* Visualized results using Amazon Quicksight and D3 Programming **[Pig Latin, PySpark]**

**Image Classifier (Deep Learning)** Summer 2017

* Implemented image classification system based on transfer learning process, leveraging TensorFlow and the ImageNet Large Visual Recognition Challenge dataset for the detection of humans, cars and bikes

**[Python, TensorFlow]**

**Music Library (Database Management Systems)**  Fall 2016

* Designed, developed, tested and implemented relational databases to retrieve songs from server
* Designed web based user interface for song selection based on artist, album, genre, rating, popularity, release date, most played and mood **[HTML, PHP, CSS, SQL]**

**A Computer Search Engine Retrieval System using Map-Reduce**  Spring 2015

* Designed and implemented a system for fast data retrieval utilizing MapReduce clustering algorithm to parse raw data, populate staging tables and store refined data in partitioned database tables
* Wrote SQL queries for inserting and retrieving data from database **[Java, SQL]**