Pritesh Ratnappagol

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OBJECTIVE

Seeking a full-time position in the field of computer science that utilizes my skills in the areas of information retrieval, big data, distributed and cloud computing, web development, software development which will allow me to contribute effectively toward the growth of an organization.

EDUCATION

MS in Computer and Information Science GPA: 3.39/4.00 **Expected Graduation: May 2018**
Purdue University, Indianapolis, IN

BE in Information Technology GPA: 3.48/4.00 **Graduated: June 2015**
Shivaji University, Maharashtra, India.

KEY COURSES

- Database and Management System
- Algorithms
- Cloud Computing
- Distributed Computing
- Artificial Intelligence
- Big Data
- Programming Language
- Object Oriented Design and Programming

TECHNICAL SKILLS

- **Programming Languages :** Java, C/C++, Python, PHP, CSS, SQL, Pig-Latin
- **Databases** **:** MySQL, SQL Server, Microsoft Access, Oracle
- **Tools** **:** Amazon AWS, GitHub, Eclipse, NetBeans, Mamp, Wamp, Adobe Photoshop

CORE QUALIFICATIONS

- Strong knowledge of object-oriented programming and application development tools
- Excellent ability to learn and implement new concepts in programming
- Strong leadership, communication and collaboration skills
- Skilled in critical thinking, logic and high math

ACADEMIC PROJECTS

Online Shopping Application using **MVC** architecture pattern and **RMI** **Jan 2018 – Present**

- Developed the system with object oriented codebase using software design patterns and frameworks
- Constructed a reliable distributed system **[Java, SQL]**

TLA+ Specifications (Temporal Logic of Actions) **Sept 2017 – Dec 2017**

- Wrote the TLA+ specifications for security in financial institutes and Lamport's logical clock

Flight Data Analysis (Big Data) **Sept 2017 – Dec 2017**

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

Image Classifier using Tensorflow (Deep Learning) **April 2017 - June 2017**

- Implemented the system based on transfer learning process using the model trained on the ImageNet Large Visual Recognition Challenge dataset for the detection of the humans, cars and bikes **[Python, Tensorflow]**

Music Library (Database Management System) **Sept 2016 - Dec 2016**

- Designed, developed and implemented relational databases for retrieval of songs from the server
- Designed a website for providing user interface where a user can select songs on basis of name of the artist, album, genre, rating, popularity, date of release in market, most played and mood **[HTML, PHP, CSS, SQL]**

A Computer Search Engine Retrieval System Using Map-Reduce Clustering Algorithm. **Jan 2015 - May 2015**

- Developed MapReduce programs to parse the raw data, populate staging tables and store the refined data in partitioned tables in the database
- Wrote SQL queries for inserting and retrieving the data from database **[Java, SQL]**