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EDUCATION

Master of Science, Computer Science, University at Buffalo	*Aug 2018 - Feb 2020*
Bachelor of Engineering, Information Technology, University of Mumbai	Aug 2014 - *Jun 2018*

PROGRAMMING SKILLS

Software: Java, Python, R, JavaScript, C, C#, Node.js, Django, Android

Database/ Cloud: MS SQL Server, MySQL, MongoDB, Azure, Docker, Hadoop, Apache Spark, Git, Linux

WORK EXPERIENCE

Software Engineer Intern, Sodexo, Buffalo, NY   **May 2019 – Dec 2019**

- Data archival enhancement to existing .NET core application thereby reducing query time by 40%.
- Automated cloud Azure deployment process for Retail Ranger infrastructure.
- Deployed resource groups and resources using ARM templates.

Web Development Intern, Swadhar Trust   **June 2017 – Aug 2017**

- Interned at a women's welfare organization to build and support a website for the organization.
- Implemented website using HTML5, CSS3 and jQuery. Responsible for entire SDLC cycle.

ACADEMIC PROJECTS

Simple Dynamo Database

- Distributed key-value storage system that provides both availability and linearizability via consistent hashing and chain replication and failure handling in Android using Java.
- Effectively handled concurrent read and writes to the system even under failures while ensuring that every read returns the most recent write.

Large scale Text processing with Hadoop Map Reduce and Apache Spark

- Performed word count and word co-occurrence on data extracted from Twitter, NYTimes API and Common Crawl.
- Used MapReduce for this computation and Tableau to visualize the results.

Personalized Evaluation & Education through Gamified Learning

- Evaluating and improving education through gamification by enhancing student's involvement in learning.
- Enhanced the teaching learning experience by personalizing education.
- Built the back-end of the application using ASP.NET framework making use of C# and SQL server.

E-Commerce Application using ASP.NET Core Microservice

- Implemented e-commerce application using .NET microservices using MVC architecture and Entity Framework Core.
- Created and consumed REST API's for basic operations like create, update, read and delete.

PERSONAL PROJECTS

- **Distributed Hash Table based on Chord:** Multiple Android devices form a Chord ring and serve insert, query and delete requests in a distributed fashion.
- **Exploratory data analysis in R:** Goal was to extract, process and visualize data in R.
- **CRUD App using Node.js:** Basic CRUD application using Node.js and MongoDB using MEAN stack.
- **Digit Recognition using Ensemble Classifier:** Implemented logistic regression, SVM, Neural Networks for prediction of digits from images.
- **Banking Account Project:** Effectively handled creation of new checking and savings accounts
- **Twitter Bot in Python:** Post tweets to Twitter using Tweepy and BeautifulSoup.
- **Football Blog App:** Implementing blog app using Django and Python.

RELEVANT COURSEWORK

- Analysis of Algorithms, Data Intensive Computing, Introduction to Machine Learning, Distributed Systems, Advanced Machine Learning, Computer Security
- Data Structures, Databases, Object Oriented Programming, Operating Systems, Computer Networks

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