ADARSH VIJAYAKUMAR

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SUMMARY

Exceptionally accomplished and skilled Software Developer with a zest for a challenging work environment with high degree of responsibility. Proven record of successful work both independently and as a team member. Highly flexible in adjusting work place to meet evolving client needs.

CORE COMPETENCIES

- Web Applications
- Algorithms
- Cloud Infrastructure
- Software System Architecture
- Big Data Technologies
- Advanced Data Mining

EDUCATION

Illinois Institute of Technology (IIT), Masters in Computer Science - (**Expected May 2020**)| **3.7 GPA**
Visvesvaraya Technological University (VTU), Bachelor of Engineering in Computer Science, (2012 – 2016)

TECHNICAL SKILLS

Programming Languages	Java, Python, C/C++, C#
Web Technologies	HTML, CSS, Bootstrap, Perl, JavaScript, AJAX, Servlet
Databases	MS-SQL Server 2005, SQL, Oracle
CICD/Development Tools	Git, Big Data sets, Apache Hadoop, Hive, Spark

PROJECTS

Social & Professional Networking Web Application (Java/J2EE, mySQL, mongoDB, Python, HTML/CSS) 2019

HIRED: A web-based enterprise application similar to LinkedIn and Twitter. Different user roles – applicant, recruiter and admin – are implemented to perform functionalities like add, update, delete the job postings, view, apply and withdraw a job application and many other. CRUD operations are performed in mySQL and reviews of the job postings are handled through NoSQL database mongoDB. Twitter data is fetched in real time through twitter API to show the network connection graph. AJAX is used in search auto-complete feature.

E - Commerce Enterprise Web Application (Java/J2EE, mySQL, mongoDB, Python, HTML/CSS) 2019

Best Deal: Full stack project where a web application is developed similar to Best Buy, Amazon, Walmart or any e-commerce site. Three user types – Customer, Retailer, Store Manager – are implemented with respective functionalities. The basic CRUD operations are done in mySQL. NoSQL database mongoDB is used to store the customer reviews. Store manager can perform Data Analytical tasks. Carousel, search auto-complete and many other features are implemented.

Gesture Recognition for Interactive Systems: (C#) 2016

Using Microsoft Kinect v2 sensor, entire mouse functionalities are implemented by free hand gestures made by an authenticated user, and Face Recognition Technique is used for authenticating users. Extended the project to control the multi-media and presentation functionalities through free hand gestures.

AdarshVijayakumar.github.io: (Javascript, JQuery, HTML5, CSS/Bootstrap) 2020

Personal portfolio website hosted through github pages, where all my projects and other works are shown.

RESEARCH EXPERIENCE

- Published a research paper titled "Gesture Recognition for Interactive Systems Using Kinect V2" in journal IJIRCCE (Impact Factor 5.618) – **International Publication 2016**
- Research Paper – Privacy Protection in Big Data Environment: A Technological Perspective and Review. (IIT)
- Research Paper – Software Products Line Frameworks for Web Based Applications. (IIT)

OTHERS

- Analytical Skills, Consistent Problem-Solving, Parallel & Distributed Processing, Big Data Analytics
- High Quality and clean code, excellent communication skills, Appetite to learn and desire to improve
- Thoughtful listener, fast learner, self-motivated, self-aware and self-disciplined.