ABHISHEK SEHRAWAT
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EDUCATION

MS in Computer Science, University of Southern California, Los Angeles, CA.   August 2016 – May 2018
- Relevant Courses: Analysis of Algorithm, Web Technologies, Information Retrieval, Multimedia System Design

B. Tech in Information Technology, Punjab Technical University, India.   Aug 2011 to May 2015

TECHNICAL SKILLS

Programming Languages:	Java, Go-Lang (Beginner).
Web Technologies:	HTML5, CSS3, JavaScript, jQuery, React.js, AngularJS Bootstrap4, npm, Sass, Less.
Operating Systems:	Windows, Linux (CentOS, Ubuntu) and macOS.
Applications & tools:	GitHub, GitLab, JIRA, Apache POI, AWS, Solr.

WORK EXPERIENCE

Student Web Developer at Laboratory of Neuro-Imaging   Dec 2017 – Mar 2018
- Contributor in the development of database driven web applications for rapid, real-time information sharing.
- Used React.js, Golang on IRIS framework, MySQL.
- Version control with GitLab using JIRA task management and Agile workflow.
- The portal contains a variety of educational content using Big data U's Erudite knowledge maps with private account to create/modify/save/delete resources and receive personalized recommendations.
- Big Data Portal: https://bigdatau.ini.usc.edu/home

Software Engineer at Aricent Technologies Pvt. Ltd.   Nov 2015 – Jun 2016
- Design analysis and implementation/enhancement of OSS/BSS for Hughes Network System.
- Involved in the entire release cycle from development to testing. Achieved CSAT of 5/5 for the financial year.
- Development in Java on SOA principles with end systems as Oracle BRM and Oracle Database.

Intern at Aricent Technologies Pvt. Ltd.   Jan 2015 – Oct 2015
- Enhanced Order Management Project:
    - Project undertaken to migrate the existing Order Management module from jQuery to AngularJS based framework.
    - This project also served as a Proof of Concept to display the capabilities of AngularJS to the client.
    - The project was successfully implemented, praised by the client and was a key part of procuring new business.
- Online Repository for Unit Test Cases:
    - Tool developed for creating an online accessible database for Unit Test Cases based on various parameters, such as team, release number, module, or functionality.
    - Also used to create single or consolidated preformatted Excel reports instantaneously using Apache POI library.

ACADEMIC PROJECTS

Web Search Engine Prototype   Fall 2017
- Crawled and indexed news website Washington Post, and designed a prototype search engine for the same.
- Added Auto Complete, Spell Checking and snippets functionality to the search engine.

Segmented and Gaze Controlled Decompression for Streaming Displays   Spring 2017
- Designed and developed an application of block-based motion detection and compression using DCT transformation.
- Implemented a view dependent gaze on the area of interest to control the decoding which emulates an effect of VR using JAVA.

Image Compression using Vector Quantization   Spring 2017
- Designed a JAVA based application to perform Image Compression using the concept of Vector Quantization.
- Designed a tool to compress grayscale and colored(RGB) images using vector quantization which works on distributing probability density functions using pixel vectors using JAVA and codebook.

Responsive Web Design & Android Application – Facebook Search   Spring 2017
- Designed a website to perform search using the Facebook SDK API on basis of different parameter, such as User, Events, Pages, Places, Groups etc. and display details of the search results such as posts and albums.
- The technologies used were HTML5/CSS3, AngularJS, Bootstrao3, Facebook SDK API, JSON, PHP and the application was hosted on AWS cloud.
- Also, an android application was developed on similar concept, which displayed the data in a List View.