

Mayank Khullar

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mkhullar.me

Summary

Computer Science graduate student at Arizona State University with professional experience of 2.5 years.

Education

Master of Science, Computer Science, Arizona State University, Tempe, AZ.

05/2018(GPA: 3.67/4)

B. Tech., Computer Science, Jaypee Institute of Information Technology, Noida, IN.

05/2014(GPA:7.1/10)

Technical Skills

Programming Languages

Java, Python, Android, C++, C#, ASP .Net, MATLAB, Ruby.

Frameworks

Spring MVC, Spring Security, Hibernate, Django.

Tools

GitHub, Maven, Jenkins, Agile Methodologies and Jira.

Database Technologies

Relational (MySQL, SQL/PLSQL, ORACLE) Non Relational (MongoDb).

Full Stack Technologies

REST API, Java Server Pages, JavaScript, JQuery, Ajax, D3, Google Charts, CSS3, HTML5, AWS.

Relevant Course

Foundation of Algorithm, Software Security, Mobile Computing, Data Mining, Distributed Software Development, Software Design.

Professional Experience

Database Specialist, Center for Health Information and Research

01/2017 – 05/2017

- Developing an application for creating Reports using Microsoft Access and Visual Basic for Applications.
- Web Scraping using different Python Libraries and Web Application development using Spring Framework, D3 and Google charts.

Software Engineer, Cerner Corporation

04/2015 – 06/2016

- Developed Patient Appointment Scheduling Applications for Hospitals and clinics.
- Coagulated the knowledge of Backend (Cerner Command Language) and Front-End(VC++).
- Gained experience in Microsoft Foundation Classes, COM, Cerner Command Language and Agile Methodologies.

Associate Software Engineer, Accenture.

08/2014 – 03/2015

- Worked as a Full Stack Web Developer and built Web Services (REST and SOAP).
- Developed Interactive voice response (IVR) project to reduce the workload of Client's BPO.
- Upgraded my knowledge of Java Server Pages, Maven, Hibernate, Spring MVC and Spring Security.

Software Engineer Intern, Accenture.

02/2014 – 08/2014

- Developed application used for creating and storing contracts for a telecom sector client.
- Upgraded my knowledge of MVC, Java Server Pages, Maven and Hibernate.

Academic Projects

GradeBook

01/2017- 05/2017

- Implementation of CRUD for persistent Storage, Implementation of Hypermedia As The Engine Of Application State (HATEOAS)
- Access level of the functionalities of REST Web Service on the basis of profile (Student and Professor).

Hotel Management Application: A distributed Application

01/2017- 05/2017

- Implementation using WCF web services, Implementation of Events and delegates.
- Regulated booking of rooms using Multi Cell Buffer, Implementation using Mutex and Semaphores in C#.

Data Mining

01/2017- 05/2017

- Implemented different clustering and classification techniques for pattern discovery using K-Means, K-Nearest neighbor, Support Vector Machine, Neural Networks and Ensemble Learning on real datasets.

Batroid: Android based Personal assistant.

08/2016 –12/2016

- Context Aware Android application, Geo Do Not Disturb using Google GEO fencing API, Automatic call rejection and reply for calls and text when in GEO DND.
- Notifications alert and directions to meetings, Automatic Birthday wishes and weather Notifications.

C55 Bank: Secured Banking Web Application

08/2016 – 12/2016

- Lead a Team of 16 people, Built Public Key Infrastructure, Developed Saving/Current Account and credit purchase.
- Fortified security layer by One time password, Regulated Session Management using Spring security, developed Ajax calls to REST Controllers.

Foundation of Algorithm

08/2016 – 12/2016

- Implemented different Greedy Algorithms such as Min Spanning Trees and Shortest Paths. Amortized Analysis, Splay trees, Karatsuba's and Strassen's algorithms, Fast Fourier Transform. Network Flows such as Ford-Fulkerson Algorithm.
- Learnt Edmonds-Karp algorithm. NP-completeness problems, Approximation algorithms such as Traveling Salesman Problem, List scheduling and Knapsack.

TrackKar: Android Based Application

08/2013 – 12/2013

- Cloud based Application for Traffic Updates, Displayed traffic updates in the form of list and a map plot.
- Built GPS location tracking facility, Built Follow a Friend feature to get shortest path to your friend.