

ASHISH AGARWAL

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EDUCATION

- Masters of Science in Computer Science** | San Jose State University (SJSU) **Aug 2022 – May 2024 (expected)**
Relevant Coursework (to be taken): Design and Analysis of Algorithms, Distributed Computing, Cloud Computing, Machine Learning, Compiler Design
- Bachelor of Engineering in Computer Science** | Dayananda Sagar College of Engineering (DSCE) **Aug 2014 – Jun 2018**
Percentage: 73.57%
Relevant Coursework: Design and Analysis of Algorithms, Graph Theory and Combinatorics, Operating Systems, Computer Networks, Compiler Design, Java & J2EE, C# Programming & .Net, Data Structures with C

WORK EXPERIENCE

- Zomentum** | Software Engineer | Bangalore, India **Sep 2021 – Jun 2022**
- Upskilled myself by learning scala and play framework.
 - Worked on integrations with 3rd party professional services automation.
 - Set up scheduled jobs in AWS lambda using events generated in AWS Kinesis.
 - Quick turnarounds on customer bugs.
- JP Morgan Chase and Co.** | Software Engineer | Bangalore, India **Jul 2018 – Sep 2021**
- Worked in both frontend (particularly Javascript and React) and backend (particularly Java with Spring Boot).
 - Worked on maintenance and development on elastic search. It involved full indexing and delta indexing jobs, retrieval queries.
 - Created kafka clusters for multiple consumers, and consumed from third-party, all as kafka as a messaging platform.
 - Initiated and worked towards the migration of application from one front-end architecture to another. Built complete front-end application from scratch while using necessary tools and packages.
 - Took initiatives on architectural design suggestions. Many of these suggestions were taken up as decisions by the architect team.
 - Got promoted to Associate Software Engineer.
 - Responsible for improving and deploying the applications used by the team. Led many production releases. Followed Agile methodology for efficient work.

TECHNICAL SKILLS

- Programming** – Java, Scala, C, C++
Website Development – HTML, CSS, Javascript, jQuery, NodeJS, ReactJS
Database – MySQL, MongoDB
Others – Spring Boot, Kafka, Elastic search, Play Framework, Android App Development, Machine Learning

PROJECTS

- Kalpayita: A Machine Learning Approach to Interior Designing** **2018**
A voice driven tool to convert the voice or text to a relevant 3D scene | Worked on Scene Parsing (used StanfordCoreNLP to extract parts of text); Scene Generation (conversion of scene graph to tree) | youtu.be/r8xz9W0gz0
- Sign Language Gesture Recognition** **2018**
A PC application for recognizing the hand gestures through a live video | Contributed towards model training and application testing; Created entire UI | youtu.be/qSdMSDVd2Zw
- Easy Cash** **2017**
Application to make online UPI payment simple by providing an interactive payment system, and facilitating the addition of multiple UPI accounts | Worked on Transaction completion, notification management, user profile management | youtu.be/Nwr_vF2uL4M
- Safety App** **2016**
An app for emergencies. Shaking the phone will send a danger message along with user's location to selected contacts | Worked on contact picker, database management in phone's memory, automation of text message sending

CERTIFICATIONS

- Ultimate AWS Certified Solutions Architect Associate 2021** | Udemy **2021**
- Docker and Kubernetes: The Complete Guide** | Udemy **2020**
- Machine Learning A-Z™: Hands-On Python & R In Data Science** | Udemy **2018**

PUBLICATIONS

- Kalpayita – A Machine Learning Approach to Interior Designing** | International Journal for Scientific Research and Development | ijsrd.com/Article.php?manuscript=IJSRDV6I30847 **01 Jun, 2018**

AWARDS AND ACHIEVEMENTS / POSITIONS OF RESPONSIBILITY

- Best Project award for the final year project at the project exhibition in the institute** | DSCE **2018**
- 1st place in Fintech Hackathon in Student's Category** | DCB Bank **2017**
- Coordinated and taught in a 2-day Android Workshop in Computer Science department** | DSCE **2017**
- 3rd prize (Website Development) in hackathon conducted by the institute** | DSCE **2016**
- 2nd place in institute's coding competition named Codewars** | DSCE **2016**
- Coordinator of Microsoft Innovation Lab in Computer Science department** | DSCE **2015-2018**