

# ASHISH AGARWAL

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## EDUCATION

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

## WORK EXPERIENCE

<b>Zomementum</b>   Software Engineer   Bangalore, India • 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.	<b>Sep 2021 – Jun 2022</b>
<b>JP Morgan Chase and Co.</b>   Software Engineer   Bangalore, India • 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.	<b>Jul 2018 – Sep 2021</b>

## TECHNICAL SKILLS

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

## PROJECTS

<b>Kalpayita: A Machine Learning Approach to Interior Designing</b> 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)   <a href="https://youtu.be/r8xzs9WQgz0">youtu.be/r8xzs9WQgz0</a>	<b>2018</b>
<b>Sign Language Gesture Recognition</b> A PC application for recognizing the hand gestures through a live video   Contributed towards model training and application testing; Created entire UI   <a href="https://youtu.be/qSdMSDVd2Zw">youtu.be/qSdMSDVd2Zw</a>	<b>2018</b>
<b>Easy Cash</b> 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   <a href="https://youtu.be/Nwr_vF2uL4M">youtu.be/Nwr_vF2uL4M</a>	<b>2017</b>
<b>Safety App</b> 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	<b>2016</b>

## CERTIFICATIONS

• <b>Ultimate AWS Certified Solutions Architect Associate 2021</b>   Udemy	<b>2021</b>
• <b>Docker and Kubernetes: The Complete Guide</b>   Udemy	<b>2020</b>
• <b>Machine Learning A-Z™: Hands-On Python &amp; R In Data Science</b>   Udemy	<b>2018</b>

## PUBLICATIONS

• <b>Kalpayita – A Machine Learning Approach to Interior Designing</b>   International Journal for Scientific Research and Development   <a href="https://ijsrd.com/Article.php?manuscript=IJSRDV6I30847">ijsrd.com/Article.php?manuscript=IJSRDV6I30847</a>	<b>01 Jun, 2018</b>
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## AWARDS AND ACHIEVEMENTS / POSITIONS OF RESPONSIBILITY

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