ASHISH AGARWAL
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Github • Hackerrank • Portfolio

EDUCATION

Bachelor of Engineering in Computer Science | Dayananda Sagar College of Engineering (DSCE)   **Aug 2014 – June 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 – Present**
- Upskilled myself by learning scala and play framework.
- Worked on integrations with 3rd party professional services automation.

JP Morgan Chase and Co. | Software Engineer | Bangalore, India   **July 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/r8xzs9WOgz0*

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*

Smart Trauma Reliever (STAR) App   **2017**
Android Application that uses NLP and Machine Learning approaches to find crime violation types and report them | Worked on model training, REST endpoint using flask, large parts of UI

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*   **1 Jun, 2018**

AWARDS AND ACHIEVEMENTS / POSITIONS OF RESPONSIBILITY
- *Best Proje*ct 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**