



# Ankush Choubey

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## Skills

**Cloud** ☁ AWS  
**Programming languages** ⚡ Java (Spring Boot), Python  
**Database** 🗄 SQL (Microsoft SQL Server; Oracle)  
**Web** ⚡ Angular (v4+)  
**DevOps tools used** Git, Jenkins, Liquibase, Kibana

## Experience

### System Engineer

**Tata Consultancy Services, Mumbai**  
*Client: Sony Pictures Entertainment (USA)*

July 2018 – Present

#### Labor Cost Portal (LCP) — 2018-19 (From scratch development)

Full Stack Developer

**Database** 🗄 Reduced overall data processing time from 4 hours to 2 minutes compared to the previous method (excel) by designing data pipelines and batch jobs in SQL Server.  
**Backend** ⚡ Created Spring Boot REST API endpoints, Spring Batch job for loading data into the application, Unit Testing with Mockito and Spring Data JPA CRUD operations.  
**Frontend** ⚡ Angular 6 UI using DevExpress.

#### Commencement & Submission Forms (CSF) — 2019 (From scratch development)

Backend and Database

**Backend** ⚡ Developed the form approval pipeline that involving multiple approvers and approver groups.  
⚡ Created API endpoints, Spring Data JPA CRUD operations, and scheduled jobs  
**Database** 🗄 Made Oracle SQL script for data migration from old application

#### SPE Innovation Labs Hackathon — Sep 2020 (AWS Environment)

**Cloud** ☁ Created AWS Lambdas to get PDF stored in S3, extract its text using Amazon Textract and stored it back into S3.

#### Competitive Release Board & LightBox — 2019 to Present (2 front end heavy applications)

Full Stack Developer

**Frontend** ⚡ Improved and speed up the Angular app substantially by optimizing time complexity, decoupling and modularizing components, caching REST responses, replacing server-side PDF generation with client-side PDF generation, and upgrading to Angular 9.  
**POC** ⚡ Created a feature from scratch to create infographics and then export it as an image. The feature will be made into a separate library so that it can be used by other applications as well.  
**Backend** ⚡ Upgraded Spring Boot version from 1.5 to 2.5.  
**Database** 🗄 Created Automated DB Deployment script for Liquibase using both XML and SQL Format.  
**Cloud** ☁ Drafted AWS Architecture for the application which is currently under review.

#### Other Technical Contributions

- Setting estimation for 2 projects
- Preparing migration proposal for a new project
- Built 2 POCs
- A 45-minute teaching session on “Writing Clean Code”

#### Non-Technical Contributions

- Interviewed 5 Fresher Candidates
- Hosted a 3-hour online event.
- Member of Cultural Committee

#### Awards Received

- Best Team Award (*thrice*)
- Client’s Service Excellence Appreciation (*twice*: [LCP](#), [CSF](#))
- Client’s [Innovation](#) Appreciation

#### Agile Practices

- Scrum (*1 project*)
- Kanban (*2 projects*)

### Web Intern

**Episkope Infotech, Thane**

June 2017

- Build the mobile version of IOT Monitoring Tool by using Bootstrap, jQuery and HighCharts JS library.
- Created a Tree Menu UI where elements would change dynamically through a configurable XML file.

## Courses & Certifications

### AWS:

[Certified Cloud Practitioner](#) *Dec 2020*

### Coursera:

[deeplearning.ai](#) 5 course certifications *May 2019*

### Datacamp:

[Intermediate Python for Data Science](#) *2018*

[Intermediate R](#) *2018*

### NPTEL:

[Introduction to Machine Learning](#) *2017*

[Introduction to Data Analytics](#) *2017*

## Others Projects

### Academic Projects

#### [Hybrid Recommender System](#) *2018*

5 approaches implemented from scratch + Django website

#### [Hadoop Group By CSV](#) *2018*

Deployed Hadoop on local Docker and created Python scripts

#### [Hospital Management System](#) *2017*

Built with Bootstrap, PHP and MySQL

### Academic Algorithms Implemented from Scratch

#### [K-Means Clustering](#) *2018*

Created and used it to perform quantization to compress images

#### [KNN Classification](#) *2018*

Over Iris Dataset

#### [Bloom Filter](#) *2018*

A probabilistic DS used to check if element is in a Set

### Notable Coding Contest Participations

#### [Game of Deep Learning](#) *2019*

Image classification challenge on Analytics Vidhya

*Rank 41 of 441 on private leader board*

#### [halite.io II AI Challenge](#) *2017*

An AI Programming challenge

*Rank 342 of 5832*

#### [TCS CodeVita Season VI](#) *2017*

Recruitment Competition

*Rank 2200 of 50,000+*

#### [TCS CodeVita SuperCoders](#) *2019*

A competition for TCS Employees

*Rank 91 of 771*

### Kaggle Deep Learning Notebooks

#### [Aerial Cactus Identification](#) *2019*

*Rank 525 of 1225*

#### [Digit Recognizer](#) *2019*

*Ensembled LeNet5 96% accuracy*

#### [Classification Malaria Dataset](#) *2019*

*ResNet34 97% accuracy*

## Education

<b>B. E</b>	Computer Engineering from Bharati Vidyapeeth, Kharghar	<b>7.14 CGPA</b>	<i>May 2018</i>
<b>Diploma</b>	Computer Engineering from SHM Institute of Technology, Ulhasnagar (MSBTE)	<b>82.18%</b>	<i>April 2015</i>
<b>SSC</b>	Maharashtra State Board	<b>69.64%</b>	<i>April 2012</i>

## Miscellaneous

- [Playing Piano](#) (started July 2020)
- Reading non-fiction books (around 10 per year for last 2 years)
- Writing blogposts at [ankushchoubey.com](#)