



Ankush Choubey

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Skills

Cloud	AWS
Programming languages	Java (<i>Spring Boot</i>), Python
Database	SQL (<i>Microsoft SQL Server; Oracle</i>)
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 — 2018-19

(From scratch development)

Full Stack Developer

- 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.
- 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 along with Angular 6 UI using DevExpress.

Commencement & Submission Forms — 2019

(From scratch development)

Backend and Database

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

Competitive Release Board & LightBox — 2019 to Present

(2 front end heavy applications)

Full Stack Developer

- 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.
- 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.
- Made application usable on every major platform by making it *fully responsive* and making it into an installable *Progressive Web App (PWA)* which works on both desktop and mobile.
- Drafted AWS Architecture for the application which is currently under review.

Other Technical Contributions

- Contributed in setting estimation for 2 projects
- Contributed in preparing migration proposal for a new project
- Built 2 POCs
- Participated in SPE Innovation Labs Hackathon (AWS Environment)

Non-Technical Contributions

- Interviewed 5 Fresher Candidates
- Hosted a 3-hour online event.
- A 45-minute teaching Session on “How to Write Clean Code”
- Member of Cultural Committee

Awards Received

Best Team Award (*thrice*)
Client's Service Excellence Appreciation (*twice*)
Client's Innovation Appreciation

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

Miscellaneous

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