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	*July 2018 – Present*
	Client: Sony Pictures Entertainment (USA)	

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

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.

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.

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. 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