Ankush Choubey

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📍Current Location: Mumbai, India

Skills

Cloud	☁	AWS
Programming languages		Java *(Spring Boot)*, 🐍 Python
Database	🗄	SQL *(Microsoft SQL Server; Oracle)*
Web	🅰	Angular *(v4+)*, ⚛ React *(Beginner)*
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

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*

⭐ Shipped two critical projects to production within 6 months of joining.
⭐ The projects had been delayed for over 2 years beyond deadline due to bugs.
⭐ Helped make applications have highest code quality score (CAST TQI) within SPE.

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.
	🅰	Created a feature from scratch to create infographics images with customizable background color, images, data and themes.
	🅰	Created Angular Libraries so that other projects can easily install and use all major features implemented in these projects.
Backend		Made setup of local environment easier by using Spring Profiles.
		Upgraded Spring Boot 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"

Feedback/Appreciations Received

🎗 Best Team Award *(thrice)*
🎗 Client's Service Excellence Appreciation *(twice: LCP, CSF)*
🎗 Client's Innovation Appreciation

Non-Technical Contributions

- Interviewed 2 experienced candidates and 5 fresher candidates.
- Hosted a 3-hour online event.
- Member of Cultural Committee

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 + MySQL

Hadoop Group By CSV *2018*
Deployed Hadoop on local Docker and created Python scripts

Hospital Management System *2017*
Built with Bootstrap, PHP and MySQL

Kaggle Deep Learning Notebooks

Aerial Cactus Identification *2019*
Rank 525 of 1225

Classification Malaria Dataset *2019*
ResNet34 97% accuracy

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

Digit Recognizer *2019*
Ensembled LeNet5 96% accuracy

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

Education

Bachelor in Computer Engineering *(B.E.)*	Mumbai University *(Bharati Vidyapeeth College of Engineering, Navi Mumbai)*	**7.14** CGPA	*May 2018*
Diploma in Computer Engineering	MSBTE *(SHM Institute of Technology, Ulhasnagar)*	**82.18**%	*April 2015*
SSC	Maharashtra State Board *(RCT's PMM Inner Wheel School, Ambernath)*	**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