Ankush Choubey

ankushchoubey@outlook.com | 7709473553 | ankushchoubey.com

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

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 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

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