

# Vasundhra Bhardwaj

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## EXPERIENCE

### American Express, Gurgaon — *Engineer II*

May 2023 - PRESENT

- Led the development of a high-quality, production-ready solution for archival and retrieval of TB/GL data from a Kafka-based Accounting Management System. Utilized Spring Boot, Java, and Cloud Storage services to create REST APIs for seamless data management.
- Identified performance bottlenecks within the Kafka-based Accounting Management System and executed effective solutions, resulting in a remarkable 99% enhancement in overall system availability.
- Contributed to the development of a cloud-based storage system, integrating Ace APIs and creating REST APIs to facilitate communication with a MySQL Database for Research, and Clearance System Project.
- Collaborated closely with business partners to analyze existing workflows within newly assigned responsibilities, identifying inefficiencies and areas for improvement. Implemented automated solutions to streamline manual processes.

### American Express, Gurgaon — *Engineer III*

August 2021 - April 2023

- Developed an end-to-end Kafka based Accounting Management System to streamline TB/GL tracking and management processes for business partners.
- Collaborated with stakeholders to gather requirements. Contributed in architecture & database schemas.
- Developed REST APIs to extract, format and communicate with MySQL Database and Kafka Queue.
- Deployed applications using Jenkins CI/CD pipeline.
- Created a Splunk Dashboard for logging and monitoring purposes.
- This project has made the TB/GL processing 99% faster.
- Demonstrated flexibility and adaptability by temporarily assisting other teams with their projects to ensure timely resolution of issues.
- Developed POCs to demonstrate the feasibility and potential benefits of adopting new technologies or approaches.

### American Express, Gurgaon — *Engineer Intern*

January 2021 - June 2021

- Created extensible web application - Administrative console which shows TB/GL data movement from Kafka to finance process tables.
- Created Restful Web services with Java & Spring Boot and ReactJS & CSS to design frontend for the application.

### Amazon, Gurgaon — *Mentee*

January 2020 - June 2020

- Created a Dashboard to keep a track of performance of last mile delivery service of Amazon using Tableau. Implemented Python based backend utilizing the Text blob Library (NLP) to analyze tweets related to last mile delivery service.

## EDUCATION

### Indira Gandhi Delhi Technical University for Women, Delhi, India — MCA (2018 - 2021)

Aggregate - 89.98%

## AWARDS

- Amex Employee of the Year in Financial Data Engineering Dept. in 2023.
- Amex Blue Rewards Award for being selected as Devcon Speaker 2023.

## PROJECTS

### Automated Abandoned Property Access Process

- Developed an end-to-end automated process for granting access and submitting monthly active users on the third-party tool to the Central IdentityIQ team for audit purposes at Amex.
- Technologies Used: Java, Spring Boot, MySQL, IdentityIQ API

### Data Relational Management API

- Developed an enterprise backend solution for Amex, serving 7+ business partners. It extracts and formats large volumes of required data efficiently to meet business needs.
- Technologies Used: Java, Spring Boot, MySQL

### Text From Image- TEXTIFIER Application

- Developed an application which recognizes different languages text and extracts it out to translate, edit and search on Google.
- Technologies Used: Android Studio, Java, OCR, Google vision API

## TECHNOLOGY SKILLS

- Rest APIs • C++ • Java • MySQL
- Spring Boot • Kafka • Splunk
- Javascript • HTML • CSS
- Cloud Storage Service(Amazon s3)
- Microservices • Data Structures & Algorithm • Windows • HLD/LLD

## SIDE PROJECTS

### Student Grievance and FeedBack Portal

- Web portal for digital Complaint and feedback generation using HTML, CSS, JAVASCRIPT and MySQL

### Anti Road Accidents

- ML and Python based System for visualization and prediction of the no. of accidents that can occur in a given time range and states in India. Provide measures that can be taken beforehand.

### The Blues

- C++ based system that calculates the happiness score of a person and provides a whole 30-45 days plan to improve it.