Yash Kumar Singh

+91-8948379238 | yashsngh57@gmail.com | LinkedIn | GitHub | Portfolio | InterviewBit

EDUCATION

Vellore Institute Of Technology   Vellore
Bachelor of Technology in Electronics and Communication Engineering, GPA: 8.0/10   *July 2018 – July 2022*

EXPERIENCE

Walgreens — Software Engineer   *September 2022 – Present*
On payroll of Genpact   *Bangalore, KA*

Project - Vendor's GenAI ChatBot

∗ **Developed a vendor-facing chatbot using Microsoft Copilot Studio** to automate invoice generation and deduction queries via Supplier Net Portal, reducing support tickets by **40%**.
∗ **Integrated the chatbot with backend APIs and Azure Data Lake**, enabling real-time data retrieval for invoice and deduction status across thousands of vendor records.
∗ **Engineered a custom Node.js web portal to enable file uploads**, a feature not natively supported by Microsoft Copilot Studio, storing files securely in **Azure Blob** Storage with session-based user authentication.
∗ **Deployed and hosted the chatbot and custom upload module on Microsoft Azure**, ensuring seamless vendor access and high availability; accelerated vendor onboarding and self-service adoption by **60%**.

Project: CVR Daily and Data Prep

∗ Developed and deployed an end-to-end RPA bot using **Microsoft Power Automate** to reconcile daily emails from the CVR team, automating the extraction and comparison of variance data across all 50 U.S. states, **reducing manual workload by over 90%.**
∗ **Engineered logic to identify and flag data mismatches/variances** by parsing structured/unstructured mail content and integrating with downstream data prep flows, improving reconciliation accuracy by **35%.**
∗ Led deployment and stabilization of the bot in a live environment, achieving **100% user adoption** and **saving 120+ hours per month** in manual reconciliation for the operations team.

Technical proficiency: Microsoft Copilot Studio, Microsoft Azure, JavaScript, Node.js, Microsoft Power Automate, Power Apps

PROJECTS

Private Driving School | *Java, Spring, React, PostgreSQL, CSS*   Jan 2024 – June 2024

∗ Developed a full-stack application for a private driving school using **React and Spring Boot.**
∗ Designed and implemented a **PostgreSQL database** with schema design and relationship management to **store entities such as Users, Blogs, and Courses.**
∗ Integrated an interactive map using **React-Leaflet library** to display training center locations dynamically based on selected cities.
∗ Built the architecture of the application using a **MVC** design paradigm, employing Spring JPA for database repositories, services, and controllers and used **OAuth** for authentication of the application.

ACHIEVEMENTS

- Hired individually at Genpact with above-standard fresher package, outside of bulk recruitment.
- **1850+** rating on CodeChef and a rating of close to **1300** on Codeforces in competitive programming.
- Certification for speclization in DSA and Fullstack Engineering attached here.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, HTML/CSS

Technologies/Frameworks: Power Automate, Microsoft Copilot Studio, Spring Boot, REST

Database/Cloud: Microsoft Azure, MySQL, PostgreSQL

Others: Data Structures and Algorithms, Object-Oriented Programming, Design Patterns, System Design, Multithreading