

SHUBHAM KUMAR

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WORK EXPERIENCE

BNY

SDE 2

Pune, India
July 2022 - Present

- Spearheaded the development of BNY Mellon's ODS-Studio as a **full-stack developer**, a flagship project used by **50,000+** employees, enhancing user experience and aligning with **customer-centric values** in an **Agile-based** Custody Data Services team.
- Implemented and revamped various UI screens on the ODS-Studio in **Angular** and **Typescript** increasing efficiency by over **30%**.
- Implemented **logger** service layer using **Java**, **Spring Boot**, and **SOLID** principles as well as installed **AWS S3** connections for data retrieval. **Added comments** for each exception that may lead to the cause, thus increasing developer productivity by over **25%**.
- Built a **Contract testing framework** using **Java**, **Cucumber**, **Gherkin**, and **BDD** for **smoke tests** and **streamlined** the process for the automatic generation of test data files using **Prompt Engineering** implementation saving around **40%** of the time, removing dependency on business teams, and **minimizing onboarding delays** & resource allocation for new datasets for the future.
- Developed the ingestion layer for multiple datasets, including subscribing and publishing to **IBM MQs** in an **event-driven architecture** model, which involved the ingestion and processing of over **5 million** messages and the creation of multiple enrichments and derivative functions for 10+ datasets in **Java**, **docker** deployment, and **assembly file** tunings.
- **Increased test coverage** by writing unit tests using **JUnit** to over **80%** in multiple ODS-Studio-API modules and Ingestion Layer.
- **Contributed** to Custody framework components by designing various **Angular Components** for **future reuse** in BNY saving time for designing and **UI modifications** in all the applications.

INTERNSHIP

STANDARD CHARTERED GBS

Software Development Intern

Remote
May 2021 – July 2021

Conducted comprehensive research on ETL processes and identified open-source tools to reduce processing costs which led to spearheading the implementation of **Grafana** Dashboards for ETL metrics, utilizing **Python** & **Prometheus** to establish connectivity with Oracle Database transitioning from Grafana Enterprise, resulting in savings of **\$100 per user**.

EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY

Bachelor of Technology in Computer Engineering | GPA 8.74/10

Delhi, India
May 2022

SKILLS

C++, OOPS, Data Structures, Algorithms, RDBMS, HTML, CSS, JavaScript, Angular, TypeScript, MySQL, SpringBoot, RestAPI, Git

PERSONAL PROJECTS

Ascii Art Generator

Built a website to upload pictures and convert them into ASCII art in a text file using **HTML**, **CSS**, **JS**, and **Python**.

[Project Link](#)

Avengers Match

Created an Avengers-themed card-matching game with animations using **HTML**, **CSS**, and **JavaScript**.

[Project Link](#)

Saathi - A Social Helper

Developed a web app for autistic and mute people for essential communication using **HTML**, **CSS**, and **JavaScript**.

[Project Link](#)

Godleon_Hackerrank

Created a repository website for standard questions of Hackerrank using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**.

[Project Link](#)

Cash_Flow

Designed a **C++** application to minimize the cash flow of transactions using greedy algorithm based on the Splitwise app.

[Project Link](#)

LEADERSHIP EXPERIENCE

President, DTU Technical Council

Jan 2022- May 2022

Successfully managed the technical fest, collaborated with 50+ companies, secured 50 lakhs in sponsorships, and led a team of 400.

Vice Chairperson, IEEE DTU

Jul 2021- May 2022

Led a 3-tier, 250-student team, elevating IEEE DTU to the largest among 40+ branches in the Delhi section.

Founder & President, Intern-Prep-DTU

Sept 2020 – May 2022

Established student organization mentoring 100+ students, facilitating internship readiness through mock interviews, and quizzes.