

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 various UI screens on the ODS-Studio in **Angular** and **Typescript**, and various **Rest API** endpoints.
- Implemented **logger** service layer using **Java**, **Spring Boot** and **SOLID** principles and installed **AWS S3** connections for data retrieval.
- Led end-to-end creation of globally deployed widgets: impacting **100,000+** clients worldwide, showcasing **ownership & leadership**.
- Built a **streamlined** process for automatic generation of test data files using **Prompt Engineering**; this innovation enabled faster implementation of 10+ datasets, removing dependency over business teams, minimizing onboarding delays & resource allocation.
- Developed the ingestion layer for multiple datasets, including subscribing and publishing to **IBM MQs** in an **event-driven architecture** model, which involved ingestion and processing of over **5 million** messages and creating multiple enrichments and derivative functions for 10+ datasets in Java.
- Increased test coverage** by writing unit tests using **JUnit** to over **80%** in multiple modules of ODS-Studio-API, and Ingestion Layer.
- Ranked **1st** in Code Warrior Challenge at BNY among 200 graduates & held a session on internal Angular Nexen framework.

INTERNSHIP

STANDARD CHARTERED GBS
Software Development Intern

Remote
May 2021 – July 2021

- Conducted comprehensive research on ETL processes and identifying 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, OS, Computer Networks, RDBMS, HTML, CSS, JavaScript, Angular, TypeScript, MySQL, Git
SpringBoot, RestAPI, Oracle Database

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 split-wise app.

[Project Link](#)

LEADERSHIP EXPERIENCE

President, DTU Technical Council

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

Jan 2022- May 2022

Vice Chairperson, IEEE DTU

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

Jul 2021- May 2022

Founder & President, Intern-Prep-DTU

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

Sept 2020 – May 2022