

## WORK EXPERIENCE & INTERSHIPS

### AI Engineer | **Outlier AI** | Remote (June 2025 - Present)

- Trained and evaluated frontier LLMs (GPT-4, Claude 4) by developing 10+ high-quality front-end solutions using HTML, CSS, JavaScript and React.
- Outperformed AI-generated code on metrics like accessibility, responsiveness, semantic correctness, and performance.
- Improved model benchmark accuracy by 30% through rubric design, hallucination detection, and prompt refinement.
- Built gold-standard UI components and layouts for LLM fine-tuning, including complex responsive and accessibility-first designs.
- Enabled a 15% uplift in model pass rates by contributing production-grade reference implementations and reviews.

### Software Development Engineer 2 | **BNY** | Pune, India (Mar 2024 - June 2025)

- 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** Custody Data Services team.
- Designed and executed complex **GraphQL** queries through **SpringBoot** to retrieve and process data, resulting in a **30%** improvement in data retrieval efficiency with **JSON schema** validation and data enrichment processes, ensuring data integrity and consistency using **Java**.
- Developed the ingestion layer for multiple datasets, including subscribing and publishing to **IBM MQs** in an **event-driven architecture** model, which involved the processing of over **5 million** messages connected with **Oracle DB** and the creation of multiple enrichments and derivative functions for **10+** datasets in **Java**, **docker** deployment, and **assembly file** tunings.
- 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.
- Created detailed **technical documentation** and coding guidelines, standardizing development practices and improving onboarding efficiency for new team members. Promoted the adoption of best practices in software development, leading to a **20%** increase in **code quality** and maintainability.
- Refactored and optimized over **500+ lines** of **TypeScript** code, improving readability and maintainability, resulting in a **20%** reduction in code complexity. Implemented **SOLID** design patterns, reducing code duplication by **30%** and enhancing code reusability. Structured **API endpoints** to simulate MQ request consumption, enabling efficient pre-development testing.

### Software Development Engineer 1 | **BNY** | Pune, India (Jul 2022 - Mar 2024)

- Designed and revamped various UI screens on the ODS-Studio in **Angular** and **TypeScript**, increasing efficiency by over **20%**.
- Implemented **logger** service layer using **Java**, **Spring Boot**, and **SOLID** principles and installed **AWS S3** connections for data retrieval. Enhanced exception logging with detailed comments, **reducing debugging time** and improving developer efficiency.
- **Contributed** to the Custody framework components by designing various **Angular Components** for **future reuse** in BNY, saving time for designing and **UI modifications** in all the applications.
- Authored detailed **unit tests** using **JUnit**, **Mockito**, **Jasmine**, and **Karma** to **increase** code coverage by over **85%** in multiple modules.

### Software Engineering Intern | **Standard Chartered GBS** | Remote (May 2021 – July 2021)

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

## SKILLS & TOOLS

**Languages:** C++, JAVA, TypeScript, HTML, CSS, JavaScript, Python

**Frontend:** Angular, SOLID Principles, Material UI

**Backend & Data Management:** SpringBoot, Oracle DB, SQL, MQs, REST APIs, Microservices, Apache Kafka, Redis, Postgres

**Version Control:** Github, GitBash, Gitlab, CI/CD Pipelines

**DevOps & Cloud:** AWS S3, EC2, AWS APIGateway, Docker, Splunk, Lambda

**Tools & Testing:** JUnit, Mockito, Karma, Jasmine, Postman, SonarQube, Agile, Scrum

## EDUCATION

**DELHI TECHNOLOGICAL UNIVERSITY** | *Bachelor of Technology in Computer Engineering* | **GPA: 8.74/10** | (Aug 2018 - May 2022)

OOPS, Data Structures, Algorithms, Relational Database Management, Operating Systems, Computer Networks, Distributed Computing

## PERSONAL PROJECTS

### Saathi - A Social Helper

Developed a communication-assistive web app for autistic and mute individuals, improving accessibility.

[Project Link](#)

### 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 40 cards & animations using **HTML**, **CSS**, and **JavaScript**.

[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.