

# SHUBHAM KUMAR

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## WORK EXPERIENCE

Full Stack Engineer | **Outlier AI** | Freelance | Remote (Jun 2025 - Present)

- Engineered **10+ high-fidelity** front-end solutions (HTML, CSS, JS, React) to train and evaluate frontier LLMs (**GPT-4, Claude 4**)
- Boosted model benchmark accuracy by **30%** via rubric design, hallucination detection, and prompt refinement
- Delivered accessibility-first, responsive UI components as gold-standard references for fine-tuning LLMs
- Increased model pass rates by **15%** through production-grade implementations and peer reviews

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

- Spearheaded development of ODS Studio, a no-code/low-code data platform used by 50K+ employees, cutting recurring costs from **\$19M to \$5M annually**
- Architected **8+** production-grade microservices (**Java, SpringBoot**) for ingestion of datasets, transformation, and metadata management into a centralized **PostgreSQL-backed data lake**, ensuring scalability and modularity
- Partnered with analysts and ops teams** to replace fragile ingestion pipelines with an event-driven **MQ/Kafka** architecture, improving reliability and debuggability
- Accelerated developer testing cycles by **60%** with an internal MQ message simulator that removed external dependencies
- Automated **AI-driven** test data generation, cutting onboarding time by **40%** and reducing reliance on domain experts
- Enhanced observability with custom **Splunk dashboards** and alerts, slashing triage time for config/schema issues by **30%**
- Championed contract testing and **SOLID** principles, improving backend reliability and code quality by **20%**

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

- Redesigned **Angular/TypeScript** UI screens in ODS Studio, boosting user efficiency by **20%**
- Implemented logger service layer (**Java, Spring Boot**) with **AWS S3** connectors for secure data retrieval
- Improved exception logging detail, reducing debugging time and raising developer efficiency
- Delivered **10+** reusable **Angular** components for custody framework adoption across teams
- Authored comprehensive unit tests (**JUnit, Mockito, Jasmine, Karma**), lifting code coverage above **85%**

## INTERNSHIPS

Software Engineering Intern | **Standard Chartered GBS** | Remote (May 2021 - Jul 2021)

- Analyzed ETL processes and identified open-source alternatives, lowering processing costs
- Built Grafana dashboards (Python, Prometheus) for ETL metrics and integrated with Oracle DB, replacing Grafana Enterprise and saving **\$100/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, PostgreSQL

**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, reducing dependence.

[Project](#)

**Ascii Art Generator**

Built a tool used by 500+ visitors, converting images into downloadable text-art with a **Python** back end.

[Project](#)

**Avengers Match**

Created an Avengers-themed card-matching game with 40 cards and animations using **HTML, CSS, and JS**

[Project](#)

## LEADERSHIP EXPERIENCE

**President, DTU Technical Council** | (Jan 2022 - May 2022)

Directed DTU's technical fest, securing ₹50L sponsorships, onboarding 50+ companies, and leading a 400-member team for 20K+ attendees