# Satyam Tiwari

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## Education

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| **University of Mumbai, Mumbai** | **July 2021 - May 2023** |
| *Master of Science in Computer Science* | *CGPA: 8.15/10* |
| **University of Mumbai, Mumbai** | **July 2017 – May 2020** |
| *Bachelors of Science in Computer Science* | *CGPA: 9.1/10* |

## Technical Skills

**Languages**: Python, Java, C, JavaScript

**Frameworks:** Spring Boot, Django, React Js, Django Rest Framework

**Database:** MySQL, Oracle, Postgres, MongoDB

**Tools & Technologies:** Git, AWS, Nginx, Maven, Postman, RabbitMQ, SonarQube, Azure DevOps, Chrome DevTools

## Experience

**Tata Consultancy Services** — **January 2021 - Present**

*Systems Engineer* — *Mumbai, India*

- Led the development and served as the Module Lead for an automation project, ensuring the smooth migration of legacy setups to the new next-gen solution and secure export of associated data.
- Developed and optimized RESTful APIs using Spring Boot framework, resulting in a **20%** reduction in data transfer latency and enabling seamless integration between systems.
- Established connections with Oracle and Postgres databases using Hibernate, efficiently retrieving legacy solution details for the migration process.
- Implemented the Apache POI library for handling large-scale data processing, proficiently writing millions of rows of data into Excel files for subsequent upload to the box using Box APIs.
- Orchestrated the implementation of a comprehensive testing system, resulting in a **30%** decrease in production defects and a **10%** improvement in overall application performance.
- Successfully deployed the automation tool on Azure Kubernetes Cloud Server through Azure Pipelines, ensuring a seamless and scalable deployment process.
- Implemented a loosely coupled architecture, enabling independent features that mitigate the impact of any feature failures and enhance the overall robustness and stability of the application.
- Migrated over **40k** solutions & **15 TB** of data to the new next-gen application within a short duration with a **96%** Success Rate and cost savings of **20M+**.

## Projects

**Pricey** | *Springboot, Django, JavaScript, MySQL, RabbitMQ* | **Github**

- Pricey is a web application that uses web scraping to extract prices and details from top e-commerce platforms for users. Users can also customise their shopping by setting price thresholds, and an email notification system alerts them when a selected product's price drops.

**QrCrypt** | *Python, Cryptography, Encryption Schemes, DropBox API* | **Github**

- QrCrypt is an innovative application that securely shares data over a communication channel using a QR code.

**Incognito** | *Django, Python, JavaScript, MySQL, SweetAlert JS* | **Github**

- Incognito is built to provide users with a path to becoming cybersecurity experts with the help of professional cyber security experts. The platform features an intuitive interface for easy navigation and a portfolio builder that enables users to create portfolios in 5 minutes that users can share with anyone around the web.

**Covid Info** | *Django, Python, React JS, Here Map API, MailChimp* | **Github**

- Designed a COVID tracking platform that locates nearby hospitals and cases, displays precautions, and sends SMS/ email notifications for available vaccination slots, providing users with real-time and relevant pandemic information.

**RFID Door Lock/Unlock System** | *Raspberry Pi, Python, RFID Sensor, Servo Motor*

- Developed and Implemented an automatic & innovative door lock/unlock system using RFID technology and it also helps to keep track of user data such as attendance & in-out timings.

## Awards

**On The Spot Award (TCS)**: Awarded for developing logic to migrate solutions having multi-tenant owners.

**On The Spot Team Award (TCS)**: Awarded for delivering the application to the client in record time with 0 defects.