

# Nikhil Suwalka

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## EDUCATION

Sardar Patel Institute of Technology – MCA

Mumbai | Jun 2023

Symbiosis Institute of Computer Studies and Research – BCA

Pune | Jun 2019

## WORK EXPERIENCE

**Deutsche Bank** | Senior Analyst

Pune | Jul 2022 – Ongoing

- Developed and delivered a Java based **Spring RESTful API web project**, leveraging PostgreSQL and **Google Cloud Storage** databases. Implemented Liquibase for seamless database management, showcasing proficiency in Java development, database management, and schema evolution.
- Created a dynamic **Python algorithm** for **generating synthetic data** for Google Cloud Storage tables, optimizing performance through **multi-threading techniques**, which **reduced processing time by 50%**. Showcasing expertise in Python development, data manipulation, and optimization.
- Engaged in **Terraform-based orchestration** of **cloud resources** within Google Cloud Platform, automating the deployment of infrastructure, demonstrating familiarity with infrastructure as code practices.

**Lipi Data System Ltd.** | Software Developer Intern

Udaipur | Jan 2022 – Jul 2022

- Worked on a **CRM (Customer Relationship Management) Android application** built using Java.
- The CRM app enables service engineers to provide service call updates.
- Involved in multiple aspects of the application, including **front-end, back-end, database, and testing**.
- Implemented a **new single-page call screen** containing comprehensive call details and updates.

**JPMorgan Chase & Co.** | Summer Intern

Mumbai | May 2021 - Jul 2021

- Worked on a **Core Java project** that inserts bulk data into a database, processing over **10,00,000 records**.
- Enhanced project performance by implementing a multi-threading algorithm, resulting in a remarkable **50% reduction in data insertion time**.
- Achieved an exceptional **80% decrease** in overall insertion time, improving project efficiency significantly.

## PROJECTS

**Food Genie - Recipe Search**  

Python, Web-Scraping

- Created a **Django-based web application** enabling users to input ingredients for recipe searches **without any initial data**, utilizing an efficient algorithm.
- Utilized **web scraping in Python** with the Scrapy framework to extract recipes from various websites. Stored data in **Neo4j, a graph database**, for faster retrieval.
- **Published a research paper** on this algorithm in **IEEE**, showcasing expertise in algorithm development.

**Kredentials - Password & Card Manager Application** 

Android, Java

- Developed a **Password and Card Manager application** for **Android** with robust data encryption using an advanced encryption algorithm.
- Implemented Fingerprint unlock security for the application, which is **live on the Google Play Store**.

## ACHIEVEMENTS

**Finalist - Code for Good Hackathon** | JPMorgan Chase & Co.

India | Aug 2020

**2nd Runner-up - Delhi Hacks Hackathon** | Script Foundation

India | Sep 2020

## SKILLS

**Technologies:** Python, Java, SQL, GCP, Android

**Libraries/Tools:** Spring Boot, Django, Liquibase, RESTful API