

# NISHIGANDHA PATEL

Nashville, TN | +1 (978) 375 8489 | [nishigandhapatel1859@gmail.com](mailto:nishigandhapatel1859@gmail.com) | [GitHub](#) | [Portfolio](#)

## TECHNICAL SKILLS

**Programming Languages:** C++, Java, Python, SQL, PL/SQL, TSQL, HTML, CSS, XML, and UML.

**Database:** MySQL, Oracle, MongoDB, SQL Server, SSMS, SSRS, SSIS,

**Reporting & Data Visualization:** Tableau, Power BI, Advance Excel, Business Intelligence (BI), Sharepoint, Informatica.

**Cloud & Big Data:** AWS (S3, Redshift, Lambda), Hadoop, Spark.

**Tools & Technologies:** JIRA, Git, Agile Methodology, ETL, Eclipse, Visual Studio Code, Jupyter Notebook, PyCharm, VBA.

**Skills:** Data Cleaning, Data Wrangling, Debugging, Troubleshooting, Production Support, Critical Thinking, Effective Communication, Presentation, Problem-Solving.

**Certification:** Google Data Analytics, Python for Data Science by IBM

## EDUCATION

**Northeastern University | Boston, MA**

May 2024

Master of Science in Information Systems

**Awards:** Student Employee of the Year Awardee

**Savitribai Phule Pune University | Pune, India**

Apr 2020

Bachelor of Computer Engineering

## WORK EXPERIENCE

**Community Dreams | Data Analyst | Sebring, FL**

Dec 2024 – Present

- Performing data collection, cleaning, pre-processing, and analysis on large datasets (**1M+ rows**) using Excel features like formulas, pivot tables, VLOOKUP, and statistical techniques for data validation to extract actionable insights.
- Utilized SQL queries to manage, test, debug, and analyze data, improving query **efficiency by 25%** and ensuring seamless platform operations and performance monitoring.
- Creating detailed reports and interactive dashboards using Power BI to analyze user behavior, providing key insights that drove improvements in user engagement and satisfaction on the platform.
- Coordinating with clients and management to prioritize business needs and reporting requirements in Agile settings.

**Northeastern University | Teaching Assistant (Database Management & Design) | Boston, MA**

Jan 2024 – Apr 2024

- Directed SQL, and database design and analysis sessions for over **100 students**, enhancing their understanding of data integrity, transaction management and normalization concepts.
- Demonstrated SQL expertise, conducted data analysis, and utilized SQL server, Power BI, Microsoft Visio, and Draw.io for hands on learning contributing to a **30% increase in practical skills** acquisition and interpret data accurately.

**Zensar Technologies | Software Engineer (Analyst) | Pune, India**

Dec 2020 – Aug 2022

**Client – Assurant | Miami, FL**

- Optimized SQL stored procedures, **reducing manual tasks by 65%** for critical operations affecting **over 100K devices**.
- Designed and maintained Power BI dashboards for real-time business metrics, streamlining reporting processes and **reducing generation time by 30%**.
- Leveraged Python for data transformation and analysis within ETL processes, improving data accuracy and reporting.
- Integrated transaction handling in SQL scripts to ensure data integrity, reliability, and accuracy for complex operations.
- Collaborated with cross-functional teams and stakeholders to resolve data discrepancies, improving data quality and compliance, resulting in a **50% reduction in data-related issues**.
- Performed root cause analysis on data anomalies using VLOOKUP and advanced Excel features for data analysis.

**Tata Strive | Intern | Pune, India**

Oct 2020 – Dec 2020

- Designed SQL structures using Java for an Android app in an Agile environment, **boost data storage efficiency by 30%**.
- Implemented RESTful APIs in Java, enhancing data exchange, and user interface while managing changes through git.
- Collaborated with UI/UX teams in Agile iterations, enhancing functionality and user interface.
- Analyzed app usage and created Power BI dashboards, leading **15% improvement in user engagement**.

**Zensar Technologies | Intern | Pune, India**

Jun 2019 – Aug 2019

- Built a System using .NET Core, MySQL, HTML, CSS, Bootstrap, MVC architecture, optimizing data handling with SP's.
- Analyzed data with Excel and Tableau, **improving system functionality by 25%**.
- Created documentation for database design, code reviews and foster effective team and stakeholder communication.

## ACADEMIC PROJECTS

---

**Environmental Conservation Tracking System Database** | *SQL server, Python, Power BI* Oct 2023 – Dec 2023

- Centralized the Environmental Conservation Tracking System in SQL Server, bolstering data integrity with **triggers and joins by 30%**.
- Crafted a Python GUI using Streamlit and integrated Power BI for data visualization, optimizing conservation initiatives.
- Applied User Defined Functions, stored procedures, and regex expressions for streamlined data transformation and informed decision-making

**Covid Testing and Vaccination Scheduler** | *Java, Java Swing, NetBeans, DB4O* Sept 2022 – Dec 2022

- Developed a Healthcare system model with enterprise roles, patient records, scheduling, and CRUD operations, enhancing the registration process.
- Optimized the database with DB4O, achieving nearly **100% data accuracy**.
- Created a user-friendly GUI using Java Swing, improving application accessibility and enabling real-time interactions.

**Smart Attendance System** | *Python, MySQL, Haar Cascade Algorithm, Scikit-Learn* Sept 2019 – Mar 2020

- Built attendance system using Image acquisition, Face Detection, Feature Extraction, and Face Recognition which helps to mark class attendance by capturing the image of the class using an android smartphone.
- Provided dataset to train application using best human strategy possible through teamwork in order to achieve **95% accuracy**.

## PAPER PUBLICATIONS

---

- A Survey Paper on various Smart Attendance Systems (IJRASET | Volume 7 Issue: XI, Nov 2019, ISSN: 2321-9653)
- Implementation of Smart Android Based Attendance System Based on Face Recognition (IJSREM | Volume: 04 Issue: 09, Sept 2020, ISSN: 2582-3930)