

NISHIGANDHA PATEL

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TECHNICAL SKILLS

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

Database Technologies: 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

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 **20% increase in practical skills** acquisition.
- Utilized Excel functions, including VLOOKUP, for data validation exercises, resulting in a **30% increase in student's ability** to analyze 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.
- Implemented 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 | Android App Developer - Internship | Pune, India

Oct 2020 – Dec 2020

- Developed SQL structures using Java for an Android app in an Agile environment, **improving data storage efficiency by 30%** and enabling real-time interactions.
- Implemented RESTful APIs in Java, enhancing data exchange, functionality, and user interface while managing changes through git.
- Tested and debugged SQL queries and Java code to improve performance and data accuracy.
- Collaborated with UI/UX teams in Agile iterations, enhancing functionality and user interface.
- Analyzed app usage data and created Power BI dashboards, providing insights that led to a **15% improvement in user engagement**.

Zensar Technologies | Intern | Pune, India

Jun 2019 – Aug 2019

- Developed a Bus Reservation System in System using .NET Core, MySQL, HTML, CSS, Bootstrap, and MVC architecture, optimizing data handling with stored procedures and ETL processes.
- 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* Nov 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, and regex expressions for streamlined data transformation and informed decision-making

Covid Testing and Vaccination Scheduler | *Java, Java Swing, NetBeans, DB4O* Oct 2022 – Nov 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.

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

- Developed 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)