

# DISHABEN PATEL

Ottawa, CA (K2B-7S9) | 343-777-6334 | [dp.dishaben@gmail.com](mailto:dp.dishaben@gmail.com) | [LinkedIn](#)

## Summary

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A highly analytical and detail-oriented professional with a background in backend development, data analytics, and quality assurance. Currently working as an ICQA Associate, leveraging data-driven insights to improve inventory processes and operational efficiency. Additionally, participating in a Fellowship in Data Analytics, developing expertise in data visualization, statistical analysis, and predictive modeling.

## Technical Skills

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- **Programming Languages:** Python, SQL, PHP, Java, JavaScript, R, C, C++
- **Data Analysis & Visualization:** Excel, Power BI, Tableau, Looker
- **Back-End Technologies & Frameworks:** PHP (Core PHP, Smarty), Java (Servlets, JSP), RESTful APIs
- **Database Management:** MySQL (PhpMyAdmin), SQL, Squirrel Software
- **Big Data & ETL:** Data modeling, extraction, transformation, and loading (ETL) processes
- **A/B Testing & Experimentation:** Statistical testing, hypothesis validation, feature optimization
- **Forecasting & Predictive Analytics:** Time-series analysis, machine learning models
- **Development Methodologies:** Agile (Scrum)
- **Soft Skills:** Oral and Written Communication, Problem-Solving, Collaborative, Critical Thinking

## Experience

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### Correlation One | Data Analytics Training Program

Jan 2025 – Present  
Remote

- Engage in a comprehensive 24-week data analytics training program focused on addressing real business and technical challenges through the use of authentic datasets.
- Achieve a 30% reduction in data duplication while enhancing accuracy through the application of Excel formulas, conditional formatting, and SQL queries for effective data cleaning.
- Conduct thorough statistical analyses and linear regression in Excel to optimize sales and advertising budgets, resulting in a 15% increase in revenue and a 20% improvement in customer acquisition.
- Develop engaging interactive dashboards in Tableau and leverage SQL queries to analyze large datasets, thereby facilitating informed data-driven decision-making.
- Enhance data processing workflows utilizing Python (Pandas, NumPy), leading to a 40% reduction in data preparation time and an improvement in the generation of insights.

### Amazon | ICQA Associate

Oct 2023 – Present  
Ottawa, Canada

- Optimize inventory levels using predictive analytics, increasing inventory turnover by 25%.
- Implement and maintain inventory control systems, cycle counts, and physical inventories to ensure high accuracy.
- Assist with data verification and inventory assessments by updating and maintaining accurate inventory records.
- Utilize RFID technology to streamline inventory requirements planning, reducing stock discrepancies by 15%.
- Develop and enforce quality control procedures, conducting root cause analysis and corrective actions, achieving a 99% inventory accuracy rate.
- Collaborate seamlessly with other departments to resolve issues and elevate overall performance.

### Sahajanand Medical Technologies | Back-End Developer

Oct 2021 – May 2023  
Surat, India

- Contributed significantly to the development and enhancement of the company's Distributor Management System (DMS) using Squirrel Software and technologies are PHP(Smarty), MySQL, and PhpMyAdmin, advancing the distributors project.

- Developed and deployed features for managing distributors, including user access control and login credentials, while identified and resolved critical security vulnerabilities, enhanced system security and reduced unauthorized access attempts.
- Improved system efficiency by optimizing backend processes in PhpMyAdmin and MySQL, achieving a 10% reduction in processing time and enhanced overall system performance.
- Conducted thorough debugging, query optimization, and performance tuning, leading to a 30% improvement in system processing speed and a 40% reduction in transaction errors.
- Developed and maintained comprehensive technical documentation for future system enhancements and troubleshooting, following Agile methodologies

**Unistar Softech Private Ltd. | Software Trainee**

**April 2019 – April 2020  
Bardoli, India**

- Worked on all phases of the software development lifecycle (SDLC), from design to deployment.
- Developed, debugged, and tested static web-based applications, ensuring functionality and addressing issues.
- Collaborated with team members to design and implement new web pages, enhancing user experience.
- Produced comprehensive documentation, including flowcharts, layouts, and clean code practices, while defining system requirements and programming protocols.

## Education

**Gujarat Technological University, Masters of Computer Application** **Feb 2023**

- Coursework: Python, ML, Design and analysis of algorithm, Computer Graphics, E-commerce, cyber security, Statistical Methods, SE-I&II, RDBMS.
- Graduated with 3.4 GPA

**Veer Narmad South Gujarat University, Bachelor of Computer Application** **Feb 2020**

- Coursework: C, C++, DBMS, OOP, PHP, Java, Unix, OS-I&II, ASP.Net, Mathematics, DS, Computer Networking
- Graduated with 2.4 GPA

## Certifications

**Data Analytics Training Program, Correlation One** **July 2025**

- Python, SQL, Tableau, Excel

**Career Bridge Program, Training Hub (Mississauga, ON)** **Dec 2024**

- SQL Server, Python, Excel

## Projects

**Alternative Fuel Vehicles (AFV) Market Analysis – US & Washington State** **March 2025**

- Analyzed EV sales trends, energy efficiency, and geographical distribution, identifying a 25% increase in EV adoption over time using data from the US Department of Energy and Washington State Department of Licensing.
- Optimized data processing using Excel, improving analysis efficiency by 40%, leading to data-driven policy recommendations on clean transportation.

**Distributors Management System** **Oct 2021 – May 2023  
Surat, India**

- Worked on a web-based application using PHP (Smarty), Java, JavaScript, SQL, and Ajax, improving system efficiency by 30%.
- Optimized database performance with Squirrel software, reducing query execution time by 40%, and implemented agile methodologies for faster feature deployment.

**Online Learning System** **April 2019 – April 2020  
Bardoli, India**

- Developed a web-based learning platform using C, C++, PHP, MySQL, and PhpMyAdmin, increasing course accessibility by 50% through features like video lectures, live chats, and progress tracking.
- Optimized database performance with MySQL, improving query efficiency by 35%, and enhanced user experience with a responsive HTML, CSS, JavaScript, and Bootstrap frontend.

