

HARSH DHANDUKIYA

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PROFESSIONAL SUMMARY

Detail-oriented and analytical software engineer with a strong foundation in data analysis and business intelligence. Pursuing a Master of Applied Computing from the University of Windsor, with a robust background in Information Technology. Proficient in SQL, Python, and Power BI, with experience in developing analytical reports and dashboards. Demonstrates excellent communication skills and collaborative problem-solving abilities. Eager to apply skills in data visualization, market research, and reporting to drive business insights and support strategic initiatives.

TECHNICAL SKILLS

- **Analysis:** Power BI (Advanced), Tableau, SQL, Python (Pandas, NumPy), Data Visualization, MS Excel
- **Programming:** Python, C, JavaScript, HTML, CSS, Java
- **Software:** MySQL, WordPress, Unix/Linux, Business Intelligence Tools
- **Technologies:** Node.js, Django, ReactJS, Machine Learning, Data Science, Data Analytics, Data Handling and Manipulation
- **Soft Skills:** Interpersonal Skills, Organizational Skills, Statistical Analysis, Problem Solving, Requirement Gathering, Communication, Time Management, Team Player, Critical Thinking, Detail-Oriented, Project Management, Attention to Details

EDUCATION

Master of Applied Computing - University of Windsor, Windsor, Ontario Jan 2024 - May 2025
Relevant Courses: Software Engineering, Computing Concepts, Systems Programming (Linux), Advanced Database Systems, Django, Python, Java, Data Science
(GPA: 3.6/4)

Bachelor in Information Technology, University of Mumbai, Mumbai, India Aug 2019 - May 2023
Relevant Courses: Database Management Systems, AI/ML, Big Data, Data Mining and Business Intelligence, Wireless Technology, Computer, Network Security, Data Structure and Analysis
(CGPA: 9.32/10)

PROJECTS

Power BI Dashboard Visualization and Data Analysis for Northwind Dataset Apr 2024 - June 2024

- Retrieved and loaded data into MySQL, conducting comprehensive transformations to prepare it for analysis.
- Integrated MySQL data into Power BI, enabling dynamic visualization and interactive filtering.
- Created a multi-page dashboard with sections for Sales Performance, Category and Product Analysis, Employee Insights, Shipment Analysis, Ad-Hoc Analysis, and D-comp tree.
- Visualized key metrics such as top performers, total sales figures, product details, employee performance metrics, shipment analytics, and D-comp tree to support data-driven decision-making and operational improvements.

Marine - Bot Analyst Jan 2024 - Apr 2024

- Developed a solution for live underwater object detection using autonomous rovers and Python.
- Built a web dashboard for data visualization and system control using Flask.
- Integrated ML models and IoT for real-time sensor data analysis with JavaScript, improving accuracy by 75%.
- Utilized MATLAB for designing autonomous navigation controllers.
- Collaborated on a mobile app for remote sensor data access and led system enhancements based on feedback.

Patient Waitlist Dashboard Oct 2023 - Dec 2023

- Designed and implemented a comprehensive dashboard for analyzing patient wait times, with detailed breakdowns by case type, age profile, and archive date to track historical trends.
- Developed advanced filtering options for customizing data views by specialty, source, case type, and other criteria, enhancing data accessibility and usability.
- Created interactive visualizations and real-time data updates, providing actionable insights for effective resource management and strategic planning.
- Incorporated user-friendly data export features to facilitate detailed reporting and further analysis.

PROFESSIONAL EXPERIENCE

PYTHON DEVELOPER - MIRA Advanced Engineering, Mumbai, India

Aug 2023 - Oct 2023

- Creation and timely delivery of diverse Python projects, adhering to deadlines and quality standards.
- Knowledge transfer through informative demonstration videos, explaining project tasks and methodologies to team members.
- Enhancement of organizational communication and collaboration through improved information exchange across departments.

SOFTWARE ENGINEER INTERN - Vision Mechatronics Pvt Ltd, Thane, India

Oct 2022 - Apr 2023

- Collaborated on an IoT project named "Pattern Recognition and Behaviour Tagging in IoT Enabled Electrical Devices" to improve monitoring accuracy and efficiency through advanced algorithms and behavior tagging.
- Designed and implemented a dashboard utilizing custom Python modules and algorithms to enhance pattern detection in Lithium-ion battery sensor data.
- Managed battery behavior tagging for 10+ clients, supporting performance assessment and anomaly detection.

PUBLICATIONS

- Copyrighted Code for "Simulation of Simple Parity Check" (Copyright Office Government of India, June-2021, Registration Number SW-14673/2021)
- Authored "Image Gallery" (International Journal of Scientific Research in Computer Science, Engineering, and Information Technology, Nov-Dec 2020, Volume 6, Issue 6, Pages: 334-338)

CERTIFICATIONS AND EXTRACURRICULAR ACTIVITIES

- Completed courses in MySQL, HTML, CSS, Python programming, PHP, C programming, Java Programming.
- Advanced skills with Power BI, Python with Data Structures, Databases, and Data Science.
- Awarded gold medal for securing 1st place in the second year of Engineering at Shah and Anchor Kutchhi Engineering College, 2020-2021.
- Participated in ACM committee Deep Learning competition, developing a project to detect COVID-19 from Chest X-rays using machine learning, 2021.