JESSICA MARIE HERNANDEZ
Data Analyst and Business Intelligence Specialist

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SUMMARY

Certified Microsoft Power BI Data Analyst with a strong foundation in engineering, AI, and full-stack development. Skilled at transforming complex datasets into actionable insights that drive operational efficiency and strategic decision-making. Experienced in building interactive dashboards, automating reporting workflows, and optimizing business processes. Adept at bridging technical expertise with business acumen to deliver measurable results.

SKILLS

Data Analysis & BI Tools: Power BI, Excel (Advanced), SQL, Pandas, NumPy
Data Visualization & Reporting: Interactive dashboards, KPI tracking, storytelling with data
Programming & Automation: Python, VBA, Java, JavaScript, C#, MERN stack, Flask
Database & Cloud: PostgreSQL, Oracle SQL, MongoDB, AWS, Azure
Business Process Optimization: Workflow automation, requirements gathering, stakeholder engagement
Methodologies: Agile, Data cleaning, ETL, QA & Testing

WORK EXPERIENCE

Centennial College, Toronto, ON: Software Lab Assistant   Winter 2024 & Winter 2025
- Developed automated inventory and lab management systems using MERN stack (MongoDB, Express, React, Node), reducing manual errors and streamlining workflows.
- Designed and deployed dashboards for real-time equipment tracking, improving stakeholder visibility and data-driven decision making.
- Collaborated with IT and faculty to enhance system security and implement user-friendly authentication procedures.

Philippine Manufacturing Co. of Murata, Batangas, PH: Machine Engineer   Jul 2017 - Jul 2022
- Built and maintained business process dashboards (Power BI, Excel) for KPI reporting, cutting reporting time by 40%.
- Led process automation projects, including vision systems, reducing production defects by 35% and optimizing workflows across key departments.
- Analyzed and improved manufacturing processes, integrating data-driven solutions and automating repetitive tasks for greater efficiency.

Sohbi Kohgei Phils., Inc., Batangas, PH: Engineer   Oct 2014 - May 2016
- Supported metal-stamping and caulking equipment; performed preventive maintenance and breakdown repairs to minimize downtime.
- Migrated paper service logs into a digital tracking system, enhancing reporting accuracy by 40%.
- Trained operators on Lock Out/Tag Out safety protocols and troubleshooting best practices.

EDUCATION

Software Engineering Technology - Artificial Intelligence   Sep 2022 - Apr 2025
Centennial College   4.28/4.50 GPA
Related Coursework: Deep Learning, Neural Networks, Data Structures & Algorithms, Software Requirements Engineering, Unix/Linux OS, Software QA, Web & Mobile Development, NLP & Recommender Systems, Cloud Machine Learning, Big Data Tools, IT Project Management

Bachelor of Science in Mechatronics Engineering   Jun 2008 - Jun 2014
Batangas State University