

Christopher Roberto, ST., PMP

Project Management / Data Engineering / Data Science / Statistical Analysis
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SUMMARY

Results-driven professional with **6 years of experience in Project Management** and a strong technical foundation in **Data Engineering, Data Science, and Data Analytics**. Skilled in designing and implementing **data-driven solutions** to optimize business processes and enhance decision-making. Proficient in **Python, SQL, Machine Learning, and Statistical Analysis**, with proven ability to translate complex data into actionable insights. Achievements include **leading cross-functional projects that reduced operational downtime by 20%**, **developing predictive models that improved forecast accuracy by 30%**, and **implementing ETL pipelines that cut data processing time by 40%**. Adept at managing teams and ensuring project delivery within scope, time, and budget. Passionate about leveraging advanced analytics and data engineering practices to drive innovation and operational excellence. Currently pursuing a **Master's Degree** in **Statistics & Data Science** (2026–Present)

SKILLS

General Skills	**:** Data Engineering, Data Science, Project Management, Data Analysis
Programming Language	**:** Python, JavaScript, SQL, HTML, CSS
Visualization Tools	**:** Tableau, Looker Studio, Canva
Libraries / Framework	**:** TensorFlow, Scikit-learn, Pyspark, Pandas, Numpy, Matplotlib, Seaborn, Scipy, Node Js, React Js, Express JS
Tools	**:** MS. Project, Apache Airflow, Apache Kafka, Docker, Jupyter Notebook, PostgreSQL, MongoDB, Visual Studio Code
Techniques	**:** ETL Automation Pipeline**,** Machine Learning, Time Series Forecast, Regression Forecast, Statistical Analysis, Data Modelling
Modeling Algorithms	**:** Time Series, Regression, Correlation Matrix, Random Forest, Decision Trees, Neural Networks, Data Warehouse
Others	**:** Kaggle, Google BigQuery, Hugging Face, UN Comtrade, Worldbank.org

PROJECTS

Data Automation and Statistical Analysis for Coffee Shop (Hacktiv 8) *November 2025*
Developed and **applied an ETL automation pipeline** that **reduced data processing time by 45%**, enabling faster and more reliable data availability. **Performed statistical analysis and time-series forecasting** on sales data, resulting in **a 25% improvement in sales prediction accuracy** and better inventory planning.
Tech Stack : Pandas, Statsmodel, SQL, Pyspark, Airflow, MongoDB

Data Automation for Meteorological and Climate Company (Hacktiv 8) *October 2025*
Designed and implemented an **ETL automation pipeline** that **cut data processing time by 40%**, improving data reliability for visualization and reporting. Enhanced data workflows to support **real-time climate monitoring dashboards**, reducing manual intervention by 60%.
Tech Stack : Pyspark, Airflow, MongoDB, Looker

Machine Learning Model for Image Processing (Udemy) *October 2025*
Designed and trained a **machine learning model for image classification**, achieving **92% accuracy** on test data. Implemented model evaluation and prediction pipeline for automated image processing.
Tech Stack: TensorFlow, Scikit-learn, Pandas, NumPy

Time Series Model for Travel Agent Company (Hacktiv 8) *October 2025*
Developed a **time-series forecasting model** to predict tour package popularity for the next year, improving forecast accuracy by **28%** and supporting marketing strategy decisions.
Tech Stack: Pandas, NumPy, Matplotlib, Statsmodels (ARIMA), Scikit-learn

Predictive Model for Electric Vehicle Company (Hacktiv 8) *September 2025*
Built a **predictive model for maintenance cost and CO_2 savings** across multiple regions (Asia, Europe, North America, Australia). Combined **random forest regression with time-series analysis**, achieving **forecast error**

reduction by 35%, and visualized insights using Tableau for strategic planning.
Tech Stack: Pandas, NumPy, Matplotlib, Statsmodels (ARIMA), Scikit-learn, Tableau

Web Scrapping for Database Modelling (Hacktiv 8) *October 2025*
Scraped data from a sales website to analyze sales performance and trends. **Implemented an ETL pipeline** to load data into a data warehouse, normalize datasets, and perform data quality testing, reducing manual data collection time by **50%** and improving data accuracy by **30%**.
Tech Stack: Pandas, BeautifulSoup, Selenium WebDriver, Matplotlib, SQL

Barcode System for Mixing Production (Goodyear) *December 2024*
Led a project to develop a **barcode verification system** for tracking raw material usage and implemented a **poka-yoke mechanism** to prevent incorrect raw material selection during compound mixing. Improved tracking efficiency and **reduced material waste by 15%**, ensuring higher accuracy in production processes.
Tech Stack: Masda, CMS-Production Database, SQL, PLC Automation Software

Barcode System for Spare Part Management (Goodyear) *March 2023*
Led a project to develop a **barcode system** for tracking motors, pumps, and gearboxes across broken, refurbished, and ready stock. Enhanced tracking efficiency and visualization, resulting in **a 20% reduction in repair costs for intermittent breakdowns** and improved inventory accuracy.
Tech Stack: Node.js, CSS, HTML, Cloud API

WORK EXPERIENCES

PT. Goodyear Indonesia Tbk. **Bogor, Indonesia**
Assistant Manager Engineering Department *December 2023 – Now*
- Lead preventive and predictive maintenance programs to improve equipment reliability
- Coordinate Engineering, Production, and Quality teams for continuous improvement
- Implement plant optimization and cost-saving initiatives to enhance efficiency
- Oversee audits and ensure compliance with operational standards

PT. Indofood CBP Sukses Makmur Tbk. **Palembang, Indonesia**
Department Head, Engineering *December 2019 – November 2023*
- Directed maintenance programs and major engineering projects
- Supervise 25 team members and ensured operational excellence
- Manage department budget and executed cost reduction initiatives
- Lead internal audits to maintain safety and quality compliance

EDUCATIONS

IPB University (Institut Pertanian Bogor) **Bogor, Indonesia**
Master's Degree in Statistics & Data Science (Ongoing) *January 2026 – Present*
Focus: Data Automation, IOT, Statistical Modelling, Data Validation, and Data Visualization

Hacktiv8 Bootcamp Batch X **Jakarta, Indonesia**
Data Analyst Program. Score: 91.2% (Passed) *Agustus 2025 – November 2025*

PT Indofood CBP Management Bootcamp Batch V **Purwakarta, Indonesia**
Management Trainee Program. Score: 90% (Passed) *July 2023 – September 2023*

Institut Teknologi Sepuluh Nopember **Surabaya, Indonesia**
Bachelor of Engineering Physics. GPA: 3.30 (Passed) *August 2015 – August 2019*

CERTIFICATIONS

PT. Goodyear Indonesia
Situasional Leadership II *Issued on January 2026*
Certificate: *ID-EL2397V060623* *No expiration date*

Hacktiv8
Comprehensive Data Analyst Program *Issued on November 2025*
Certificate: *ID- ce51a8e6-54c9-436a-81a5-0c736ab2b4e5* *No expiration date*

PT. Goodyear Indonesia
Six-Sigma Yellow Belt — *Issued on September 2025*
Certificate: ID-40098302 — *No expiration date*

Project Management Institute
Project Management Certification Program — *Issued on May 2023*
Certificate: ID-3460012 — *Expire in May 2029*