

Bhuwan Chaulagai

Data | Building Performance Analyst

Pyeongtaek, Korea | bhuwan36ch23@gmail.com | 010-2998-7663

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Kyungdong University, Global Campus — Bachelor of Computer Engineering | CGPA: 4.16 / 4.5

Feb 2020 – Feb 2024

Coursework: Data Science, Artificial Intelligence, Web Development, IoT, Cloud Computing, Networking

EXPERIENCE

Building Performance Analyst

Jan 2025 – Present

SK Shieldus | USAG Humphreys, South Korea

- Analyze building energy and HVAC data using Python, SQL, and SkySpark to identify performance gaps, quantify inefficiencies, and recommend data-driven corrective actions.
- Design and maintain interactive Tableau dashboards tracking real-time energy KPIs, asset health, and maintenance trends for facility management stakeholders.
- Develop FDD algorithms to automatically detect anomalies and system faults, reducing time-to-detection and enabling proactive maintenance scheduling.

HVAC Data Analyst | FDD Technician

Jun 2024 – Dec 2024

Youone Engineering | USAG Humphreys, South Korea

- Analyzed HVAC and energy datasets across Camp Humphreys buildings using SkySpark, SQL, and Python, surfacing inefficiencies that drove ~7% annual energy savings.
- Built and deployed Tableau dashboards integrating IBM Maximo CMMS data on asset performance, maintenance schedules, and work orders for real-time operational visibility.
- Developed scalable Fault Detection and Diagnostics (FDD) algorithms using SkySpark (Axon) and Python to optimize HVAC performance with measurable ROI.

PROJECTS

Sales Dashboard — Power BI [\(View\)](#)

Mar 2024

Designed a Power BI dashboard analyzing sales trends, seasonality, product performance, and pricing to support commercial decision-making.

Loan Data Analysis — Python [\(View\)](#)

Apr 2024

Applied statistical analysis and ML techniques to predict loan repayment likelihood based on creditworthiness, DTI ratios, and interest rate patterns.

Airline Passenger Satisfaction — SQL [\(View\)](#)

Queried and analyzed large-scale passenger satisfaction data using SQL to surface key drivers of customer experience and service quality.

IBM Data Analytics Capstone [\(View\)](#)

End-to-end analytics project covering data wrangling, visualization, and predictive modelling to solve a real-world business problem.

SKILLS & COMPETENCIES

Data Analysis: Statistical Analysis, HVAC Analytics, Fault Detection & Diagnostics, Data Wrangling, Data Visualization, Storytelling

Machine Learning: Supervised Learning (Regression, Classification), Unsupervised Learning (Clustering, Dimensionality Reduction), Reinforcement Learning

Programming: Python (Pandas, NumPy, Matplotlib, Scikit-learn), SQL, Axon Scripting Language, PySpark

Tools: Tableau, Power BI, SkySpark, IBM Maximo, Jupyter Notebook, MySQL Workbench, Git & GitHub

Networking: Subnetting, VLANs, OSPF, ACL, NAT, STP (CCNA Certified)

CERTIFICATIONS

Machine Learning Specialization | Coursera · Stanford Online [\(View\)](#)

Feb 2025

Tableau Desktop Specialist [\(View\)](#)

Jan 2025

IBM Data Analyst Professional Certificate [\(View\)](#)

Jun 2024

Cisco Certified Network Associate (CCNA) [\(View\)](#)

Aug 2025

LANGUAGES

English: C1 Advanced | **Nepali:** Native | **Korean:** Conversational