Keerthana H

[Portfolio](#)   [Linkedin](#)

✉ keerthanahemarao@gmail.com   📞 9361300658   📍 Chennai

SUMMARY

Data Analytics Professional with expertise in SQL, Python, and Power BI, delivering scalable dashboard solutions and KPI-driven insights. Experienced in analyzing large-scale transactional datasets, optimizing reporting workflows, and integrating AI-assisted analytics to enhance operational decision-making. Strong foundation in data modeling, statistical analysis, and business intelligence.

TECHNICAL PROFICIENCY

Programming & Database: Python (Pandas, NumPy), SQL (MySQL)
Data Visualization & BI: Power BI, Excel, Matplotlib, Seaborn
Data Analytics: Data Cleaning, Data Modeling, KPI Analysis, Exploratory Data Analysis (EDA)
Statistical Analysis: Descriptive Statistics, Hypothesis Testing, Correlation Analysis, Regression
Machine Learning: Regression Models, Classification, Clustering, Feature Engineering
Cloud Platforms: Microsoft Azure, Oracle Cloud Infrastructure (OCI)

WORK EXPERIENCE

HCLTech
Senior Software Engineer | Nov 2023 - Present
- Designed SQL-based analytics solutions and Power BI dashboards to monitor operational KPIs across business units.
- Analyzed datasets exceeding 1M+ records using Python (Pandas) to identify cost and efficiency gaps.
- Automated recurring reporting workflows, reducing manual analysis effort by 35–40%.
- Optimized data models, improving dashboard performance and reporting consistency.
- Implemented AI-assisted reporting workflows, reducing insight generation time from 48 hours to under 8 hours.

HCLTech
Academic Trainee | Feb 2023 - Aug 2023
- Supported data cleaning and preprocessing of healthcare datasets using Python and SQL.
- Delivered Power BI dashboards to track utilization metrics and key performance indicators.
- Conducted exploratory data analysis to identify trends and reporting inconsistencies.

PROJECTS

Retail Invoice Analytics & Vendor Performance Prediction

Built a data analytics solution to extract and analyze large-scale invoice data from Oracle Fusion ERP to evaluate vendor (Veros) performance, product trends, and support predictive vendor selection.

Responsibilities & Impact
- Led a 4-member team in extracting and consolidating high-volume monthly invoice datasets from Oracle Fusion using BI Publisher and SOAP-based web services, automating data retrieval and standardizing structured Excel outputs for analytical processing.
- Analyzed 100K+ monthly invoices using Python (Pandas) and Excel to evaluate vendor performance, revenue mix, and procurement trends, and built interactive Power BI dashboards to improve KPI visibility and decision-making.
- Performed exploratory data analysis and built a Random Forest–based prediction model to support vendor selection decisions, reducing manual reporting effort by approximately 35% and improving procurement planning accuracy.

Tools: Power BI, Excel, Python (Pandas, Scikit-learn), Matplotlib, SOAP Web Services

Orthopedic Implant Supply & Distribution Analytics

Developed a reporting and analytics solution to monitor orthopedic implant supply distribution and periodic performance trends, integrating AI-based summarization to enhance stakeholder reporting efficiency.

Responsibilities & Impact
- Consolidated structured implant and invoice datasets from Azure-based data pipelines and prepared them for analysis using Python (Pandas) and Excel.
- Built interactive Power BI dashboards to monitor implant distribution volume, regional supply trends, and monthly/quarterly performance, supported by EDA to uncover demand fluctuations and supply gaps.
- Automated dashboard export workflows and integrated Oracle Cloud AI Services for contextual performance summaries, improving stakeholder meeting preparation efficiency by ~30%.

Tools: Power BI, Python (Pandas), Excel, Oracle BI Publisher, Oracle Cloud AI Services

EDUCATION

BTech - INFORMATION TECHNOLOGY
Panimalar Engineering College   2019- 2023
CGPA: 9.4   Chennai

CERTIFICATIONS

1. Oracle MySQL Implementation Certified Associate   **[Certificate](#)**
2. Oracle Cloud Infrastructure 2025 Certified Generative AI Professional   **[Certificate](#)**