

# MADDIRALA UMESH CHANDRA

**Location:** Hyderabad, India

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## PROFILE SNAPSHOT

- Results-oriented Analytics Consultant with 2+ years of hands-on experience in data analytics, automation, and machine learning with a focus on risk assessment and fraud detection.
- Strong expertise with Python, SQL, and visualization platforms (Tableau, Power BI), with ability to develop automated reporting solutions to maximize operational effectiveness.
- Proven track record in developing and executing machine learning frameworks for predictive analytics, anomaly detection, and process improvement.
- Strong background in Natural Language Processing (NLP) for extracting insights from text data, supporting audit and compliance improvements.
- Proficiency in exploratory data analysis (EDA) to discover trends, optimize strategies, and improve decision-making for business and financial operations.
- Proficient in database management (MySQL, PostgreSQL, Google Cloud), with seamless data integration and workflow automation.
- Proven capability to create interactive dashboards and data-driven reports for C-level executives, informing strategic business decisions.

## KEY AREAS OF EMPHASIS

Data Analytics & Business Intelligence	Predictive Analytics	Audit & Compliance Analytics
Risk Assessment & Fraud Detection	Statistical Analysis	Business Operations Optimization
Machine Learning	Hypothesis Testing	Interactive Dashboards
Process Optimization	Anomaly Detection & Forecasting	Stakeholder Communication
Workflow Automation	Predictive Modeling	Cross-Functional Collaboration

## TECHNICAL SKILLS

<b>Programming Languages:</b>	Python, SQL, Excel VBA
<b>Data Analytics &amp; Machine Learning:</b>	Supervised & Unsupervised Learning, Time Series Analysis, Regression, Clustering, NLP
<b>Data Visualization:</b>	Tableau, Power BI, Seaborn, Matplotlib, Plotly
<b>Databases &amp; Tools:</b>	MySQL, PostgreSQL, Google Cloud, Jupyter Notebook, Git

## PROFESSIONAL EXPERIENCE

### Wells Fargo, India | 2023 – Till Date

#### Associate Analytics Consultant

- Automating complex reports using Python to enhance operational efficiency and minimize manual efforts.
- Designing interactive dashboards with Tableau and SQL to provide executives with data-driven insights for strategic decision-making.
- Developing machine learning models for financial data analysis and anomaly detection, strengthening risk management and fraud prevention.
- Conducting comprehensive exploratory data analysis (EDA) to uncover trends, refine strategies, and optimize audit processes.
- Collaborating with cross-functional stakeholders to define reporting requirements and streamline data automation workflows.
- Applying Natural Language Processing (NLP) techniques to extract insights from textual data, improving audit efficiency and decision-making.

## PROJECT EXPERIENCE

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### Amazon Product Review Analysis

- Implemented advanced NLP techniques in Python to analyze product reviews, extract customer sentiments, and generate actionable insights.
- Developed interactive dashboards to visualize key trends, enabling data-driven decision-making for product improvements.

### Employee Segmentation on Absenteeism

- Applied clustering techniques to segment employees based on absenteeism patterns, enhancing workforce planning and management.
- Developed predictive models to forecast absenteeism, supporting strategic decision-making and operational efficiency.

## EDUCATION

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**Postgraduate in Advanced Data Science and Machine Learning** from NIIT, Bangalore, 2023

**Bachelor's Degree in Engineering** from Graphic Era University, Dehradun, India, 2022

## ATTAINMENTS

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### Certifications

- StackRoute Advanced Data Science and Machine Learning Certification
- QGIS Software Certification from Caldera Solutions

### Achievements

- Automated audit and reporting processes, minimizing manual workload and enhancing data accuracy.
- Optimized data analytics frameworks, significantly improving risk assessment and decision-making strategies.
- Designed and implemented machine learning models to strengthen fraud detection and anomaly identification.