

RIDIMA TAMBDE - MSC DATA SCIENCE & ANALYTICS POSTGRADUATE

Dublin, Ireland | +353 899879248 | ridimactambde@gmail.com | [LinkedIn](#) | [Github](#)

PROFILE

Data Analyst with expertise in Power BI, SQL, and Python. Skilled in creating interactive dashboards, automating ETL workflows, and deriving actionable insights to support data-driven business decisions. Experienced in managing relational databases, visualizing KPIs, and optimizing reporting processes.

TECHNOLOGY SKILLS

- **Programming:** Python, SQL, R
- **Visualization & CRM:** Power BI, Tableau, Qlik Sense, Dynamics 365
- **Libraries & Tools:** Pandas, NumPy, TensorFlow, Matplotlib
- **Cloud & Data Management:** AWS (S3, Parameter Store), Kafka, Apigee, MongoDB, PostgreSQL, Snowflake
- **ETL & Deployment:** ELK Stack, Jenkins, GitLab, Docker, Kubernetes
- **Visualization & Monitoring:** Kibana, Grafana

EDUCATION

09.23-09.24 | **National College of Ireland (1:1)**

MSc Data Analytics

Modules: Business Intelligence & Business Analytics, Domain Applications for Predictive Analytics, Data Mining & Machine Learning, Database & Analytics Programming, Modelling, Simulation & Optimization, Statistics for Data Analytics, Data Governance and Ethics.

06.18-05.22 | **Vidyalankar Institute of Technology**

Bachelor of Engineering (B.E) – Computer Science

WORK EXPERIENCE

07.22- 08.23 | [Piramal Finance](#), Mumbai, India

Software Development Engineer – 1

- Automated Aadhar Card (national ID Card) data masking for 50,000+ loan records using Python, SQL, and AWS, ensuring compliance with data privacy regulations and improving operational efficiency.
- Developed and maintained ETL pipelines using ELK Stack to process and transform large datasets, enabling real-time log visualization and generating actionable insights to support performance optimization.
- Built an interactive loan tracking system using Python, MongoDB, and AWS S3, providing data-driven insights into email delivery trends and optimizing communication strategies through Qlik Sense dashboards.
- Created Python-based integrations for HRMS using Kafka and SharePoint, streamlining workflows and improving data accuracy for payroll and onboarding processes.
- Ensured secure configuration management using AWS Parameter Store, enabling seamless CI/CD deployments and safeguarding sensitive production data.

PROJECTS

12.23 | **API Driven Fusion (Fáilte Ireland & Yelp) Integration for Tourism Analytics**

Tech Stack: Python, MongoDB, PostgreSQL, Python Visualisation (Matplotlib, Seaborn, Plotly, Folium, Bokeh)

Extracted and transformed nested JSON data from Fáilte Ireland and Yelp APIs, storing it in MongoDB and PostgreSQL, enabling streamlined data visualization and actionable insights using Python.

11.23 | **Data-Driven Vehicle Theft Prevention: A Company-Based Scenario**

Tech Stack: Power BI, CRM (Microsoft Dynamic 365)

Built Power BI dashboards for insights on theft patterns, using DAX queries for advanced calculations and integrating Dynamics 365 to manage customer records, supporting strategic theft prevention efforts.

07. 24 | **Super Resolution GAN-Enhanced Diagnostic Models for PCOS: Integrating CNN and Hybrid CNN Architectures**

Tech Stack: Python, TensorFlow, Keras, SRGAN, CNN Architectures (NasNetLarge, NasNetMobile, XceptionNet), Catboost, Support Vector Machine (SVM), Attention Mechanism (Self-attention, Attention Layer)

Developed generative AI models with SRGAN and attention mechanisms using TensorFlow, boosting diagnostic accuracy by 20% and enhancing synthetic image clarity by 30%.

01. 25 | **Streaming Video Subscriptions Dashboard**

Tech Stack: Power BI, SQL, DAX

Built Power BI dashboards to analyse subscription trends, customer churn, and ARPU, using SQL for data extraction and DAX for advanced KPI calculations.

ACHIEVEMENTS

Awarded Technology Townhall Award for resolving 30+ vulnerabilities at Piramal Finance, enhancing system security and compliance.