

Surya Inaparthi

Data Analyst | Business Intelligence Specialist | Python & Power BI Expert

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PROFESSIONAL SUMMARY

High-caliber Data Analyst with practical experience delivering actionable insights through Python analytics, Power BI dashboards, and automated reporting solutions across education technology and business intelligence environments. Proven ability to transform complex datasets into strategic business recommendations while maintaining GDPR compliance and optimizing data workflows. Expertise spans predictive modelling, database architecture, and stakeholder collaboration with demonstrated success in building scalable data platforms that drive operational efficiency.

WORK EXPERIENCE

Software & Data Intern | Tees Maritime Cluster, Middlesbrough, UK

Sep 2025 – Present

- Engineered full-stack WordPress MVP platform with Elementor and ACF integrating front-end submission forms, automated CSV/Excel report generation, and real-time dashboards tracking student tasks, reflections, and career development metrics across multiple user roles
- Architected scalable database structures supporting structured data collection workflows and role-based access permissions for students, teachers, and employers resulting in streamlined platform usability. Developed automated reporting pipelines generating CSV and Excel exports on demand reducing manual report creation time.
- Implemented GDPR-compliant data storage architecture with encrypted student information, secure backup protocols, and privacy-by-design principles protecting sensitive academic and personal data.

Data Analytics Intern | Uptrail Ltd (Remote), United Kingdom

Jul 2025 – Aug 2025

- Delivered comprehensive data analysis projects during intensive 4-week internship focused on exploratory data analysis, Python-based analytics, and Power BI visualization development.
- Designed and built interactive Power BI dashboards featuring dynamic visualizations, drill-down capabilities, and KPI tracking enabling stakeholders to monitor business performance metrics and identify growth opportunities in real-time.
- Awarded Certificate of Excellence recognizing outstanding analytical performance, technical proficiency, and collaborative contribution.

EDUCATION & PROFESSIONAL CERTIFICATIONS

Master of Science (M.Sc.) in Computer Science | Teesside University, Middlesbrough, UK

Pursuing

Relevant Coursework: Artificial Intelligence, Big Data & Business Intelligence, Machine Learning, Object-Oriented Development, Research Methods, Advanced Data Structures, Cloud Computing

B.Sc. in Information Technology | Anil Neerukonda Institute of Technology & Sciences

Aug 2019 – May 2023

Google Data Analytics Professional Certificate | IBM Machine Learning Professional Certificate | Introduction to Data Analytics | Introduction to Data Science

CORE COMPETENCIES

Data Analysis & Visualization: Power BI, Tableau, Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, DAX, Excel Advanced Analytics

Machine Learning & Predictive Modelling: Scikit-learn, Regression Analysis, Classification Models, Decision Trees, Clustering Algorithms, Model Evaluation

Database & Platform Development: WordPress (Elementor, Advanced Custom Fields), Airtable, Softr, Database Design, ETL Processes, Data Architecture

Technical Tools: Jupyter Notebook, Google Colab, Git, Google Workspace, Glide, CSV/Excel Automation, API Integration

Business Intelligence: Dashboard Design, KPI Tracking, Automated Reporting, Data Storytelling, Stakeholder Presentations, GDPR Compliance

TECHNICAL PROJECTS

Pizza Restaurant Sales Dashboard: Architected interactive business intelligence dashboard analyzing sales performance, customer purchasing patterns, and product profitability metrics. Implemented advanced DAX measures calculating Total Sales, Average Order Value, Sales Growth Rate, and Customer Lifetime Value enabling restaurant management.

Telecom Customer Churn Prediction: Developed predictive analytics solution identifying at-risk customer segments through machine learning classification models achieving over 85% accuracy in churn prediction. Performed feature engineering, hyperparameter tuning, and model evaluation using confusion matrices and ROC curves visualizing churn probability distributions and high-risk customer characteristics.

Sales Data Analysis & Automation: Executed analysis of large-scale sales datasets using SQL queries to extract insights on regional performance trends, top-performing customer segments, and revenue patterns across product categories. Automated monthly KPI reporting workflows using Excel PivotTables, advanced formulas, and macros.