DEBOPRIYA DAS

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https://scholar.google.com/citations?user=wLLFzRUAAAAJ&hl=en

SUMMARY

Full-time MSc Data Science student at the University of Europe for Applied Sciences with strong expertise in data management, analytics, and cross-team collaboration. Skilled in Power BI, SQL, Python, and ETL pipeline automation to deliver actionable insights and streamline operations. Experienced in leading data-driven process optimization, dashboard creation, and stakeholder communication in hybrid and international environments. Passionate about applying analytical and organizational skills to support e-mobility, renewable energy, and sustainable infrastructure projects.

EDUCATION

University Of Europe for applied science GMBH (2025 - Present)

Master of Science (MSc) in Data Science –
- Gaining expertise in machine learning, big data analytics, and AI-driven solutions.
- Developing strong analytical and programming skills through hands-on projects, industry collaborations, and research in data-driven decision-making.

Queen Mary University Of London (2020-2022)
Master of Science (MSc) in Advanced Electronics, Electrical Engineering with Industrial experience | Faculty: Computer Science
- Classification: Distinction
- Project: Inverted Pendulum Control (PD and PID Controllers).

Kalinga Industrial Institute of Technology, Bhubaneswar, India (2016 – 2020)
Bachelor's Degree in Electrical Engineering 2016 – 2020
- CGPA: 8.48/10
- Project: Solar Power LED Street Light with Auto Intensity Control (Selected for regional competition by MHRD's Innovation Cell).

Higher Secondary Education (12th Grade)
Sri Chaitanya Techno Educational Institution, India (2014 – 2016)
Percentage: 61.6%

Secondary Education (10th Grade)
Holy Family School, India (2014)
Percentage: 66%

PROFESSIONAL EXPERIENCE

Team Lead – Data Analyst and Embedded Projects
Marketplace Direct Ltd., London | Aug 2021 – Nov 2024
Team Size: 14 | Role: Supervisor / Functional Leader | Aug 2021 – Nov 2024

- Designed and maintained Power BI dashboards for operational tracking, improving site utilization and reporting efficiency.
- Built automated ETL pipelines integrating multiple data sources, reducing reporting time by 30%.
- Conducted root cause analysis to identify operational inefficiencies and implemented corrective actions with technical teams.
- Collaborated across product, engineering, and operations teams to optimize workflows and data governance.

Data Analyst Intern | Unpaid
Oracalo, Uxbridge, London | Sep 2021 – Oct 2022
- Developed SQL and Python-based pipelines for performance reporting.
- Created interactive dashboards for KPI monitoring, enabling quick decision-making.
- Maintained SharePoint documentation for transparency and cross-team knowledge sharing.

PROJECTS

- Operational KPI Dashboard (2024): Designed and deployed an automated Power BI dashboard for warehouse, delivery, and inventory data, enabling real-time KPI tracking and improving decision-making efficiency.
- Digital Collaboration & Workflow Automation (2025): Developed Confluence & SharePoint workflows with Jira-style boards for cross-team task tracking, progress monitoring, and process transparency.
- Logistics ETL Pipeline (2024): Built automated Python-based ETL pipelines to clean and integrate data from multiple sources, reducing manual effort by 30% and improving data accuracy.
- Customer Retention Analysis (2023): Created a machine learning model to predict at-risk customers, enabling targeted retention strategies and improving churn prevention
- MNIST GAN – Image Generation (2025): Built a Generative Adversarial Network in TensorFlow to generate handwritten digits using the MNIST dataset, with visual outputs per epoch.
- GitHub: https://github.com/priyasilent/mnist-gan-tensorflow

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LANGUAGES & LOCATION

- Current location: Magdeburg, Germany
- Language skills: English (C1, Fluent), German (A2 – actively learning),Hindi & Bengali (Native)
- Willingness to work in hybrid mode and relocate within Germany.

CERTIFICATIONS

- Data Analytics & Visualization: pandas, matplotlib, seaborn, Power BI, Tableau, Excel
- Data Quality
- Master Data
- Data Governance
- Reference Data
- Diffusion models course
- Data Validation
- Stakeholder Communication
- Cloud & Big Data: AWS (Athena, Glue, S3, CloudFormation), ETL pipelines

RESEARCH & ACADEMIC CONTRIBUTIONS

- IEEE Conference Presentation (2025): Behavioral analytics and machine learning models for early fraud detection, enhancing risk assessment capabilities.
- Applied AI Research: Developed temporal CNN architectures for video-based lip-reading, integrating multimodal data for improved communication system models.
- AI for Mental Health: Designed and evaluated chatbot prototypes for detecting early signs of depression and anxiety.
- Advanced Data Engineering Collaboration: Co-authoring a peer-reviewed paper on scalable data engineering methodologies.
- IEEE Women in Engineering Summit (2025): Presented research and engaged in innovation roundtables on data science and technology leadership.

INTERNSHIPS

- **Besant Technology, Bangalore, India | Dec 2024 – April 2025**
- Undergoing hands-on training in Data Science, focusing on machine learning, Python, SQL, Tableau, Dat scienceEnhancing technical skills and practical knowledge to strengthen my foundation before pursuing Data Science studies in Germany.
- Utilizing this period productively to gain industry-relevant experience instead of a gap, ensuring continuous learning and skill development.
- **Vocational Training at NTPC, Farakka, India (May – June 2018)**
- Training on Transmission and Distribution of Electric Power, OPTCL (May – June 2019)
- PLC Training, CTTC India (October 2019)
- Summer Training in Core Java (June – July 2019)
- Electrical Engineering Crash Course, IIT Bhubaneswar

SKILLS

- Data Management & Analytics: Power BI, Tableau, Advanced Excel, SQL, Python (pandas, NumPy), ETL pipeline automation, data validation, data quality management.
- Process Automation & Reporting: Dashboard creation, KPI tracking, root cause analysis, process optimization, performance monitoring.
- Tools & Collaboration Platforms: Jira, Confluence, SharePoint, GitHub.
- Domain Knowledge: E-mobility, electrical infrastructure, renewable energy systems.
- Programming & Statistical Methods: Python-based analytics, machine learning basics, statistical modelling, data visualization.
- Soft Skills: Stakeholder communication, cross-functional collaboration, time management, adaptability, problem-solving.