Lijo Chacko

📱 +49-17625089214   🌐 [Website](), [LinkedIn]()

✉ Lijochacko@hotmail.com   📍 Berlin, Germany

Profile

Data Science Master's student with extensive engineering and product design experience, seeking an entry-level Data Scientist, Internship, or Working Student role. Leveraging a 16-year background in complex system modeling, project management, and process optimization to solve data-driven business problems. Proficient in Python, Machine Learning, and Predictive Analytics, with a unique ability to bridge the gap between technical data insights and practical industrial applications. Eager to apply analytical skills and contribute to innovative solutions in a dynamic data science environment.

Education

Master of Science (MS) - **Data science, AI & Digital Business.** *GISMA University of Applied Sciences – Potsdam, Germany*
Oct 2025 – Present (Expected Mar 2026)

Key Modules: Python for Data Science, Machine Learning, Predictive Modeling, Big Data Analytics, and AI in Business Applications.

Academic Focus: Bridging technical data insights with digital transformation and strategic business innovation.

Bachelor of Science (BSc) - **Visual Communication.** *Annamalai University – Tamil Nadu, India*
Graduated 2021

Focus: Design Theory, Digital Media, and Technical Documentation.

Technical Projects

Automated Job Market Aggregator | Python, Selenium, Streamlit (*Personal*)
- Developed an end-to-end ETL pipeline to scrape and centralize fragmented warehouse job listings in Berlin, reducing search time by automating data extraction and filtering.

Industrial Safety Object Detection | Python, CNN, Computer Vision (*Academic*)
- Built a Deep Learning model achieving 81% accuracy in identifying hazardous materials (chemicals, glass) to automate workplace safety monitoring in industrial environments.

Customer Churn & CRM Analytics | Python, Scikit-Learn, Pandas (*Academic*)
- Analyzed 7,000+ records to predict subscriber attrition and developed a re-engagement strategy for a gym chain (Crunch Fit) by segmenting users based on visit frequency and lifetime value.

Large-Scale Sentiment Analysis (NLP) | Python, DistilBERT, Transformers (*Academic*)
- Implemented an NLP pipeline using BERT architectures to classify sentiment in a 50k-record dataset, demonstrating ability to handle high-computational "Big Data" tasks.

Quantitative Market Research (dm-drogerie markt) | Statistics, Regression (*Academic*)
- Conducted a quantitative study on Germany's retail leader, using regression analysis to measure how private labels and omnichannel strategies influence customer loyalty.

Work Experience:

Sr. CAD Technologist | JUN 2024 - APR 2025
M/s. CHINA STATE CONSTRUCTION ENGINEERING COORP. **DUBAI**

- Managed technical documentation and design verification for large-scale infrastructure projects.
- Process Optimization: Standardized digital drafting protocols, improving data consistency and reducing cross-departmental errors.
- Coordinated multi-disciplinary data exchange between structural, electrical, and site engineering teams.

Designer / Project Manager | JULY 2023 - JUN 2024
M/s. NEW EXCLUSIVE DECORATIONS DESIGN & FIT-OUT. **DUBAI**

- Translated complex client requirements into technical design solutions for architectural and interior projects.
- Coordination: Acted as the technical bridge between creative concept development and on-site engineering execution.
- Data Management: Maintained precise technical drafting logs and 3D model version control to ensure on-time delivery of multi-phase projects.

Product Designer | MAY 2021 - JUN 2023
M/s. EXCLUSIVE ACRYLIC MIDDLE EAST INDUSTRIES. **DUBAI**

- Managed the full product lifecycle for industrial acrylic solutions, from initial research and 3D prototyping to final manufacturing documentation.
- Quality Assurance: Conducted rigorous testing on prototypes to ensure compliance with international durability and safety standards.
- Process Management: Collaborated with manufacturing teams to select optimal materials and methods, reducing production waste by ensuring design feasibility.

Sr. Architectural Technologist | JUN 2007 - DEC 2020
M/s. ARABTEC CONSTRUCTION. **DUBAI**

- Led technical drafting and quality control for landmark projects, including the UAE Pavilion at Expo 2020.
- Information Management: Overseeing extensive databases of technical submittals and RFI logs, ensuring 100% project data integrity.
- Leadership: Mentored a team of 5+ junior technologists, ensuring adherence to strict international quality and safety standards.

Interior Designer | JAN 2002 - DEC 2006
M/s. SAM & ASSOCIATES. **BHOPAL, INDIA**

- Executed computerized technical drawings and coordinated on-site daily activities with subcontractors.
- Supervision: Oversaw the execution of finishing works, ensuring strict adherence to quality standards and safety protocols.
- Operations: Managed site accounts and technical submittals for residential and commercial interior projects.

Skills

Data Science & Artificial Intelligence
Languages   : Python (Pandas, NumPy, Scikit-Learn), SQL.
Machine Learning   : Regression, Classification, Clustering, CNN, NLP (BERT/DistilBERT).
Development Tools   : Jupyter Notebooks, GitHub, Selenium (Web Scraping), Streamlit.

Engineering & Technical Design
Software   : AutoCAD, Revit, SketchUp, KeyShot.
Core Competencies   : Technical Documentation, BIM Coordination, Project Lifecycle Management (PLM), Quality Control (QC), Risk Mitigation.

Language

English – C1   German   Hindi – C1
                     Preparing for A2/B1