

SESNA TOMY

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ABOUT

Motivated MSc Mathematics graduate with a specialization in Big Data Analytics and Data Science. Adept at designing and deploying full-stack solutions that impact business outcomes, with a strong foundation in computer science fundamentals including object-oriented programming, data structures, and algorithms. Proven experience in scripting, debugging, and developing scalable applications. Quick learner who thrives in fast-paced environments and takes ownership of technical deliveries.

EDUCATION

Masters in Mathematics <i>Union Christian College, Aluva</i>	2020 - 2022
B.Sc Mathematics <i>Pavanathma College, Murikkassery</i>	2017 - 2020

CORE TECHNICAL SKILLS

- **Languages & Scripting:** Python, SQL
- **Frameworks & Tools:** Streamlit, Flask, Botpress, Power BI
- **Machine Learning:** NLP, Deep learning, Image Classification
- **Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow
- **Soft Skills:** Analytical Thinking, Communication, Independent Execution, Quick Learning

EXPERIENCE

Data Science Intern <i>Scifor Technologies</i>	October 2023 - June 2024 <i>Bengaluru, India</i>
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- Collaborated with cross-functional teams and senior engineers to implement user-centric features across the web and chatbot systems.
- Owned the design, testing, and deployment of an AI-powered chatbot using Botpress, increasing engagement and lead conversions.
- Created editable content modules enabling non-technical staff to manage site content, improving operational efficiency.
- Contributed to front-end/back-end delivery timelines and supported project planning initiatives.

PROJECTS

Conversational AI Chatbot with SQL Integration

- Developed a production-ready chatbot using Streamlit, PostgreSQL, and Ollama that interpreted natural language into SQL queries.
- Engineered a responsive interface with real-time message display, user-bot flow, and typing indicators.

Credit Card Fraud Detection ML Project

- Built a high-accuracy machine learning model using scikit-learn to detect fraudulent transactions.
- Implemented an interactive monitoring dashboard using Streamlit for business users.

Image Classification Model

- Designed and trained deep learning models using TensorFlow and applied transfer learning to boost performance.

Power BI Organization Insights Dashboard

- Developed actionable dashboards for analyzing user data and sales patterns across registered organizations on the app.
- Delivered insights to stakeholders for improved decision-making and marketing efforts.

CERTIFICATIONS

Certificate in Big Data Analytics & Data Science, National Council for Technology and Training (NACTET)