

# Lingabarani M G

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## PROFILE

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Computer Science graduate with strong skills in **Data Analysis, SQL, and Predictive Modeling**. Experienced in building end-to-end ML projects, data visualization, and deploying web apps using **Python and Streamlit**. Skilled in data cleaning, wrangling, and dashboarding with **Power BI**. Passionate about applying analytics to solve real-world problems.

## EDUCATION

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<b>Kongu Engineering College, Perundurai, Erode</b> <i>Bachelor of Science in Computer Technology - CGPA: 7.38</i>	2022 – 2025
<b>Bharathi Matriculation Hr. Sec. School, Erode</b> <i>HSC: 58.6% — SSLC: 78.4%</i>	2019 – 2022

## TECHNICAL SKILLS

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**Languages:** Python (Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn), C, JavaScript

**Data Analytics:** Data Cleaning, Statistical Analysis, Predictive Modeling, Dashboarding, Reporting

**Database Management:** SQL, MySQL, MongoDB, Database Design

**Developer Tools:** Power BI, Advanced Excel (Pivot Tables, Dashboards), Jupyter, VS Code

**Version Control:** Git, GitHub

**Soft Skills:** Analytical Thinking, Problem Solving, Communication, Adaptability, Teamwork

## PROJECTS

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- **Multiple Disease Prediction System** – Built and deployed a Streamlit app that cleaned health datasets, trained ML models with **92% accuracy**, predicting Diabetes, Heart Disease, and Parkinson's. [Live App]
- **Digital Doc** – Designed a health support website with structured database storage. Created Power BI dashboards to analyze disease trends and provide personalized health recommendations. [Live App]
- **Educonnect.Ai** – A Flask-based capstone project enhancing inclusive learning with sign-to-speech, text extraction, and smart tools that simplify academic tasks and empower students, including those with disabilities. [GitHub]
- **Fake News Detection** – Fake news detection using machine learning helps identify misinformation by analyzing article content with NLP and supervised learning techniques for improved media integrity. [GitHub]

## INTERNSHIP & CERTIFICATION HIGHLIGHTS

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- **The Website Makers** – Developed a data-driven CRUD dashboard with SQL, Python, and Power BI for insights.
- Presented a paper on “*Blue Brain Technology*” at Sri Ramakrishna College Tech Conference, 2022.
- Presented a project-based paper on “*Exploring the Boundaries of Reality*” at Sri Krishna College, 2024.
- Presented a paper on “*Quantum Computing: An In-depth Exploration*” at Karpagam Institute of Technology, 2023.

## ACHIEVEMENTS

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- Published research paper Cutting-Edge ML Methods for Liver Disease Forecasting in **IEEE Xplore**.
- Awarded Second Prize at SKCET for presenting Personal AI Assistant using Streamlit integrating NLP and APIs.
- Participated in technical events, hackathons, Naan Mudhalvan initiative, winning prizes and contributing projects.

## PERSONAL TRAITS

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- Strong in algorithms and clean coding, ensuring detail-oriented, high-quality, and maintainable software solutions.
- Continuous Learner: Self-driven with a passion for exploring and mastering new technologies and tools.
- Effective communicator skilled at simplifying complex problems into clear, understandable, and practical solutions.
- Team player experienced in Agile and Git workflows, ensuring collaboration and smooth project delivery.