

Lingabarani M G

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Profile

A computer science graduate skilled in **Python**, **machine learning**, and **data analysis**. Experienced in **predictive modeling**, **exploratory data analysis**, **SQL**, **Power BI**, **Streamlit**, and **Flask**, with strong expertise in **data cleaning**, **feature engineering**, and **automation** for real-world problem solving.

Experience

Data Analyst Intern — <u>Elevate Labs</u>	Jul 2025 – Dec 2025
– Built a CRUD analytics dashboard using SQL , Python , and Power BI to analyze 1,000+ records. – Automated data cleaning and reporting , reducing manual effort by 30% .	
AI/ML Intern — <u>Evostra Ventures</u>	Oct 2025 – Jan 2026
– Trained and evaluated machine learning models in Python , achieving up to 92% accuracy . – Applied data preprocessing , feature engineering , and model evaluation .	

Education

Kongu Engineering College, Erode <i>Bachelor of Science in Computer Technology - CGPA: 7.38</i>	2022 – 2025
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Technical Skills

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: Problem Solving, Analytical Thinking, Communication, Teamwork, Adaptability

Projects

- **Multiple Disease Prediction System** – Developed and deployed an end-to-end **machine learning** application using **Python**, **Scikit-learn**, and **Streamlit**. Performed **data cleaning**, **feature engineering**, and model training to predict **Diabetes**, **Heart Disease**, and **Parkinson's** with **92% accuracy**. [Live App]
- **Digital Doc** – Designed a data-driven healthcare web platform with **structured database management**. Built interactive **Power BI dashboards** to analyze disease trends, generate reports, and support **data-driven decision making**. [Live App]
- **Educonnect.Ai** – Implemented a **Flask-based** full-stack application integrating **NLP**, **text extraction**, and assistive AI features such as **sign-to-speech**. Focused on accessibility, automation, and scalable backend design. [GitHub]
- **Fake News Detection** – Built a **machine learning** model using **NLP** and **supervised learning algorithms** to classify news articles. Applied **text preprocessing**, **feature extraction**, and model evaluation to detect misinformation with improved accuracy. [GitHub]

Certification Highlights

- Presented a paper on “*Blue Brain Technology*” at Sri Ramakrishna College Tech Conference, 2022.
- Presented a paper on “*Quantum Computing: An In-depth Exploration*” at Karpagam Institute of Technology, 2023.
- Completed Tata GenAI Data Analytics Virtual Program on Forage, gaining AI insights and ethical analytics skills.
- Completed Deloitte Data Analytics Simulation via Forage, applying forensic and data analysis skills.

Achievements

- 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.
- Won Third Prize leading NLP project detecting depression signs with ML models, enhancing diagnosis accuracy.
- Participated in technical events, hackathons, Naan Mudhalvan initiative, winning prizes and contributing projects.

Personal Traits

- Strong in algorithms, clean coding, detail-oriented in building reliable, high-quality, and efficient software solutions.
- Continuous learner, effective communicator, team player, skilled in Agile, Git workflows, solving problems efficiently.