

BALA MURUGAN

Software Developer | Web Development

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Professional Summary

Enthusiastic **B.A. Economics graduate** with specialized training in **Data Science** and hands-on experience in **Python** and **web development**. Skilled in leveraging **AI tools** for efficient solutions and passionate about **software creation** across **web, Electron, and full-stack development**. Creator of **NeuroDesk**, a Windows Electron clipboard manager, and eager to contribute as a **Software Developer** by building innovative, user-friendly applications.

Education & Additional Training

B.A. Economics – St. Xavier's College (Autonomous), Tirunelveli (2022 – 2025)

Certification in Data Science – Completed (2025)

Key Skills

Programming Languages: Python, JavaScript, HTML/CSS

Frameworks & Platforms: Flask, Electron

Data Science Tools: Pandas, NumPy, CNN, TensorFlow

Databases: MySQL, SQLite, SQLAlchemy

Web Development: Frontend & Backend (Flask expertise, basic Django)

Version Control: Git, GitHub

AI Tools: Prompt Engineering, Automation

Soft Skills: Teamwork, Problem-Solving, Adaptability

Projects

NeuroDesk – Electron & Python

Developed a Windows desktop clipboard manager with history tracking, Sqlite3, and customizable features like Always-on-Top and Launch on Startup, enabling efficient workflow and productivity.

PDF Chatbot – Python, Gemini API, Bootstrap 5

Built an AI-powered PDF chatbot with user authentication and admin panel; users can upload PDFs, ask contextual questions, and receive answers via Google Gemini API integration. featuring a clean, modern UI.