**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](https://github.com/balamurugan-cholas/NeuroDesk)  
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, Flsak, Gemini API](https://github.com/balamurugan-cholas/pdf-chatbot)  
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.