

# 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, Flask, Gemini API](#)

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.