M GESHTA BERLING
Dindigul (624005), Tamil Nadu

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Profile Summary

Computer Science Engineering undergraduate with hands-on experience in Python and Java, specializing in desktop application development, automation, and data processing.
Developed and deployed a production-ready Windows desktop application for customer management, billing, and Excel-based reporting using Python, CustomTkinter, and PyInstaller.
Strong foundation in problem-solving, object-oriented programming, and real-world software deployment.
Experience in packaging and deploying Python applications as standalone Windows executables for end users.

Projects

1. *Design Build: Designing a Power Bank from E-waste and Used Batteries*
- Developed a cost-effective and eco-friendly power bank by repurposing discarded batteries, addressing e-waste management and sustainability.
- Designed and tested circuits for safe charging, discharging, and multiple battery slots.
- **Achievement:** Research paper presented at the *3rd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2025), IEEE Systems Council, Coimbatore*. **Click to view the [Certificate](#).**

2. *Independent Software Project – Python Desktop Application*
Milk Delivery Management Desktop Application – Python Developer
Python, CustomTkinter, pandas, openpyxl, PyInstaller, Inno Setup

• Designed and developed a Windows-based desktop application to manage customer records, daily milk delivery entries, and billing operations.
• Implemented Excel automation for monthly and yearly report generation using pandas and openpyxl.
• Built automated WhatsApp message preparation for customer billing notifications, improving communication efficiency.
• Packaged and deployed the application as a standalone Windows executable using PyInstaller and Inno Setup.
• Ensured data persistence across application updates without loss of customer or billing data.
• Reduced manual record-keeping effort and improved billing accuracy for small dairy business operations.

GitHub link : ⭕ GitHub

Education:

Kalasalingam Academy of Research and Education   **2022 – 2026**

Bachelor of Technology, CSE [AIML] – CGPA: 8.82   *Virudhanagar, Tamil Nadu*

Technical Skills
• **Programming Languages:** Java, Python
• **Application Development:** Desktop Application Development, Automation, Object-Oriented Programming (OOP).
• **Data & File Handling:** Excel Automation, File Handling, JSON, Machine Learning
• **Frameworks & Libraries:** CustomTkinter, pandas, openpyxl
• **Web Technologies:** HTML, CSS, Bootstrap
• **Tools & Deployment:** Git, GitHub, PyInstaller, Inno Setup, Windows Application Deployment.

Soft Skills
• Problem Solving • Team Collaboration • Communication

Academic & Professional Interests
- Software Development and Automation
- Application Design and Deployment
- Data Processing and Reporting Systems

[Certifications](#)
- **Generative AI – Online Certification**
- **Artificial Intelligence – Online Certification**
- **C Programming and Data Structures – CodeChef**
- **Database Management Systems – CodeChef**

Languages
- Tamil (Native)
- English (Professional)
- Hindi (Basic)
- Telugu (Basic)