KARTHIK K

📞 +91-6363620956   ✉ karthikkrishnamurthy1968@gmail.com   in linkedin.com/in/karthik-k-aa4987262   ○ github
🌐 Portfolio

Objective

Motivated Full Stack Developer with hands-on experience in Python and foundational knowledge of web application development. Comfortable working with MySQL for database operations and backend feature implementation. Created an AI-based Waste Classification Model using YOLO (deep learning), demonstrating strong problem-solving skills, a willingness to learn new technologies, and the ability to apply them to real-world projects.

Education

Master of Computer Applications (MCA)   **Graduated: 2026**
Maharaja Institute of Technology Mysore, Mysore   *CGPA: 9.24 / 10*

Bachelor of Computer Applications (BCA)   **Graduated: 2024**
MIT First Grade College, Mysore   *CGPA: 8.50 / 10*

PCMC (PUC)   **Passed Out: 2021**
Seshadripuram Independent PU College, Mysore   *Percentage: 77.0%*

SSLC (10th)   **Passed Out: 2019**
Shikshkarni Central and High School, Mysore   *Percentage: 73.5%*

Projects

Waste Classification Using Yolo | *Python, YOLOv8, OpenCV, Tkinter*   **September 2025**

- Built a waste classification system using YOLOv8 for real-time object detection.
- Developed a Tkinter-based GUI with camera and image upload options.
- Automatically identified waste categories such as plastic, glass, cardboard, and paper.
- Used OpenCV for preprocessing and handling live video streams.
- Improved model accuracy by fine-tuning YOLO on a custom dataset with data augmentation.

Expense Tracker | *Python, Flask, SQLite, Chart.js, Tailwind CSS*   **June 2025 – July 2025**

- Developed a full-stack expense tracking web application using Flask (MVC structure).
- Implemented user authentication, expense CRUD operations, and data visualization with Chart.js.
- Added filtering, sorting for efficient expense management.
- Designed a responsive UI using Tailwind CSS.

Technical Skills

Programming Languages: Python (Basics), Php (Basics)
Web Technologies: HTML, CSS, JavaScript
Databases: MySQL (Basics)
Tools & Platforms: Git, VS Code