

# MURUGESA PANDIYAN M

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## Summary

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Passionate Python Developer with hands-on experience in AI model integration, Flask-based web applications, and cross-platform system development. Skilled in delivering scalable software solutions with clean design and strong problem-solving logic. Eager to contribute to real-time development teams, collaborate with professionals, and build impactful software that enhances user experience and performance.

## Skills

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- **programming** : Python
- **web development** : HTML,CSS,Javascript, flask ,react ,django
- **database** : MYSQL,Mongo db
- **Tools** : Git/GitHub,docker,

## Experience

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AI Intern – Phoenix Company, Madurai — 2025

- Learned fundamentals of AI model deployment and integration. Assisted in developing small-scale AI applications under mentorship.

## Freelance works

- Contributed to the development and debugging of **Image Classification applications**, assisting in model accuracy improvement and dataset handling.
- Supported the backend and workflow optimization of **NCC Management System**, including feature fixes, data validation, and UI enhancements.
- Helped peers resolve issues during project deployment, version control conflicts, and API integration errors.

## Projects

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### BOLT – Cross-Platform File Sharing Web Application

- Built a LAN-based file transfer system using Flask & Tailwind CSS.
- Implemented secure code-based access for downloading shared files.
- Added features like file previews (images/PDF/text) and upload tracking.
- Integrated auto-cleanup mechanism to remove expired uploaded files.
- *GitHub*: <https://github.com/nezha-cloud/bolt.git>

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### Smart Dustbin with Motion Sensor (*Mini Project*)

- Developed using ESP32 + ultrasonic sensor for automated lid opening.

## Education

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B.Sc.Computer Science(Pursuing)

2023 expected 2026

Madurai Kamaraj university

## Language known

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Tamil(native)

Engilsh