

PETHANASAMY

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PROFILE

Motivated Python Full-Stack Developer skilled in designing, building, and maintaining scalable applications, APIs and databases. Proficient in **Python, Django, Flask, SQL, MongoDB and Git**, with expertise in **debugging, code reviews and performance optimization**. Strong **problem-solving, collaboration and communication skills**. Passionate about **software best practices, scalability, and continuous learning** to deliver **high-quality, efficient solutions**.

EDUCATION

Gandhigram Rural Institute	2021 – 2024
<ul style="list-style-type: none">• B.Sc.Computer Science• CGPA : 6.52	
Government Higher Secondary School	2019 – 2021
<ul style="list-style-type: none">• 12th Standard• Percentage : 84%	

PROJECTS

E-commerce Platform

- Developed an **e-commerce platform** with **authentication, access control, and responsive product views**.
- Increased engagement by **35%** with a **wishlist feature**, detailed product descriptions, and order confirmation.
- **Tools and Languages:** HTML, CSS, SQL, ORM, JavaScript, Django, Git.

Voting System

- Created a **secure voting system** using Flask with **authentication, vote counting, and fraud prevention**.
- Strengthened system security by **40%**, preventing **unauthorized access** and improving reliability.
- **Tools and Languages:** HTML, CSS, JavaScript, SQL, Python, Flask, ORM, SQLAlchemy, Git.

Weather Website

- Developed a **real-time weather tracking website** using **third-party REST APIs** to fetch and display live weather forecasts.
- Implemented a **database for efficiently stored and managed** weather data for **quick access and usability**.
- **Tools and Languages:** HTML, CSS, SQL, JavaScript, Django, ORM Tools, Weather API, REST API, Git, Postman.

Java Learning Platform

- Created an **interactive Java learning platform** with **theory content** and **JavaScript quizzes** for instant feedback.
- Enhanced **engagement and accessibility** with a **clean UI/UX**, boosting quiz completion rates by **30%**.
- **Tools and Languages:** HTML, CSS, JavaScript.

CERTIFICATION

Django and Python Complete Course	Udemy
<ul style="list-style-type: none">• Completed Python and Django course on Udemy, learning web development, databases, and backend programming.	

Flask and Python Complete Course	Udemy
<ul style="list-style-type: none">• Completed Python with Flask course on Udemy, learning web development, routing, databases, and authentication.	

TECHNICAL SKILLS

Programming Languages: Python, SQL, HTML5, CSS3, JavaScript

Frameworks & Libraries : Django, Flask, Bootstrap 5

Databases: MySQL, SQLite , MongoDB

REST APIs: Django REST API, Flask REST API

Version Control & Tools: Git (Version Control Systems), GitHub, Postman, Visual Studio Code, Pycharm

SOFT SKILLS

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|------------------------|---------------------|------------------------|-----------------------|
| • Communication Skills | • Analytical Skills | • Collaboration Skills | • Attention to Detail |
| • Teamwork | • Problem Solving | • Adaptability | • Self-Learner |