

PETHANASAMY

Python Full-Stack Developer

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Profile

Proficient Full Stack Web Developer with strong experience in frontend technologies (HTML, CSS, JavaScript) and backend frameworks (Python, Django, Flask). Skilled in creating responsive, user-friendly applications with a solid understanding of RESTful APIs, relational databases (MySQL), and version control (Git/GitHub). Currently learning React and familiar with Agile methodologies. Passionate about learning new technologies and delivering high-quality, scalable web solutions.

Education

Gandhigram Rural Institute <i>Bachelor of Science in Computer Science</i>	2021 – 2024 <i>Dindigul</i>
Government Higher Secondary School <i>12th standard</i>	2019 – 2021 <i>Dindigul</i>

Projects

E-commerce <i>Django</i>	2024
<ul style="list-style-type: none">Designed and developed a secure e-commerce platform with authentication and access control.Implemented responsive product views and a wishlist feature for better user convenience.Added detailed product descriptions and an order confirmation system with a redirect button.Increased user engagement by 35% through enhanced functionality and a seamless user experience.Tools and Technologies: HTML, CSS, SQL, Django ORM, JavaScript, Django, Git.	
Voting System <i>Flask</i>	2024
<ul style="list-style-type: none">Developed a secure voting system using Flask with authentication for authorized user access.Implemented a final vote tally system to determine the winner with accuracy and reliability.Applied safeguards like one vote per user to prevent fraud and ensure data integrity.Increased system security by 40%, providing a seamless and trustworthy voting experience.Tools and Technologies: HTML, CSS, JavaScript, SQL, Python, Flask, ORM, SQLAlchemy, Git.	
Java Learning Platform <i>HTML, CSS, JavaScript</i>	2024
<ul style="list-style-type: none">Developed an interactive Java learning platform with structured theory content and quizzes for all levels.Designed JavaScript validation for quizzes to provide instant feedback and enhance user experience.Improved user engagement, leading to a 30% increase in quiz completion rates and participation.Enhanced learning outcomes by making content interactive, clear, and easy to understand.Tools and Technologies: HTML, CSS, JavaScript.	
Weather Website <i>Django</i>	2024
<ul style="list-style-type: none">Developed a weather website using Django, HTML, and CSS to display real-time weather updates.Integrated REST APIs to fetch and present accurate weather forecasts for various locations.Implemented a database to store and manage weather data efficiently for improved accessibility.Tools and Technologies : HTML , CSS, SQL, JavaScript , Django,ORM, Weather API , Rest API, Git, Postman.	

Certification

Python and Django Framework Complete Course <i>Udemy</i>
<ul style="list-style-type: none">Completed a Python and Django course on Udemy, focusing on developing scalable and efficient web applications.
Python and Flask Framework Complete Course <i>Udemy</i>
<ul style="list-style-type: none">Completed a Python and Flask course on Udemy, focusing on developing scalable web applications and APIs.

Technical Skills

Languages: Python, HTML5, CSS3, JavaScript, SQL, OOPS
Frameworks: Django, Flask, Bootstrap
RESTful APIs: Django REST API, Flask REST API
Tools and IDE: Git(Version Control Systems), GitHub, Postman, Visual Studio Code, Pycharm
Databases: MySQL, SQLite
Familiarity With: Agile Methodologies.

Soft Skills

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| • Communication Skills | • Analytical Skills | • Collaboration Skills. | • Attention to details |
| • Teamwork | • Problem Solving | • Adaptability | • Self Learner |