PETHANASAMY

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PROFILE

Versatile Full-Stack Developer skilled in front-end (JavaScript, HTML, CSS) and back-end development (Python, Django, Flask, APIs). Proficient in database management (MySQL, SQLite) and version control (Git). Experienced in troubleshooting, debugging, code reviews, and writing clean, efficient code. Currently learning React. Passionate about building scalable web applications, collaborating in agile teams, and staying updated with emerging technologies for continuous improvement.

EDUCATION

Gandhigram Rural Institute   2021 – 2024
- B.Sc.Computer Science
- CGPA : 6.52

Government Higher Secondary School   2019 – 2021
- 12th Standard
- Percentage : 84%

PROJECTS

E-commerce Platform
- Developed an e-commerce platform with authentication, access control, and responsive product views for better experience.
- Increased engagement by 35% with a wishlist feature, detailed product descriptions and order confirmation.
- Tools and Languages: HTML, CSS, SQL, ORM, JavaScript, and 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 efficient storage and management of weather data, ensuring quick access and improved 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 structured 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
- Completed Python and Django course on Udemy, learning web development, databases, and backend programming.

Flask and Python Complete Course   Udemy
- Completed Python with Flask course on Udemy, learning web development, routing, databases, and authentication.

SKILLS

Programming Languages: Python, SQL, HTML5, CSS3, JavaScript
Frameworks & Libraries : Django, Flask, Bootstrap
Databases: MySQL, SQLite
REST APIs: Django REST API, Flask REST API
Version Control & Tools: Git (Version Control Systems), GitHub, Postman, Visual Studio Code, Pycharm

SOFT SKILLS

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