

Lavanya M

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Professional Summary

Highly motivated and enthusiastic BSc Computer Science graduate with a strong passion for programming, web development, and problem-solving. Skilled in building dynamic and efficient applications, eager to learn and adapt to new technologies. Aspiring to contribute effectively in software development roles while continuously growing in the tech industry.

Experience

Full Stack Developer May 2025 - Apr 2026
Access Room, Kottayam

- Built and deployed responsive web applications using Python, FastAPI, React, TypeScript, and Tailwind CSS.
- Integrated interactive React components to enhance user experience.
- Managed and optimized databases (MySQL and SQLite) for faster data access.
- Ensured smooth frontend-backend functionality and overall application performance.

Python Django Full Stack Developer Sept 2024 - Apr 2025
Luminar Technolab, Kochi

- Built and deployed responsive web applications using Python, Django, JavaScript, and Bootstrap.
- Constructed REST APIs with Django REST Framework to support backend functionality.
- Enhanced user experience by integrating interactive UI components, improving engagement by 30.
- Structured databases in MySQL and SQLite, reducing query times by 20.

Technologies

Languages/Frameworks: Python, HTML, CSS, JavaScript, TypeScript, SQL

Libraries/Databases: Django, Django REST Framework, FastAPI, React.js, Bootstrap, Tailwind CSS, MySQL, SQLite

APIs/Tools: RESTful APIs, Git, GitHub, Postman, Thunder Client

Projects

Music Streaming Web Application (Python, Django, HTML, CSS, JavaScript, Bootstrap)

- Engineered a music platform with admin-side CRUD for songs, albums, and subscriptions.
- Enabled filtering by artist and language to improve content discovery, boosting usability by 25.
- Introduced playlist controls for free and premium users, increasing average user session duration by 35.

Restaurant Management (Python, Django, HTML, CSS, JavaScript, Bootstrap)

- Architected an online food ordering system with real-time cart management and mock checkout.
- Streamlined admin workflows, reducing food inventory update time by 40 with automated CRUD functionality.
- Improved user satisfaction scores by 18 through seamless navigation and order tracking.

Tour Package Booking (Python, Django, HTML, CSS, JavaScript, Bootstrap)

- Launched a secure booking system that supported 100+ simulated transactions with a 95 success rate.
- Optimized package filtering and data retrieval, reducing response time by 35.
- Designed admin tools for managing tours, increasing operational efficiency by 20.

Dress Management (Python, Django, HTML, CSS, JavaScript, Bootstrap)

- Developed a personal finance manager with authentication and categorized expense tracking.
- Reduced user onboarding time by 30 with a simplified UI and guided flows.
- Supported CRUD and data analytics features, increasing report generation accuracy by 25.

Education

MG University Kottayam
Bachelor of Computer Science

Aug 2021 - May 2024