

# THANGAMANIKANDAN I

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## Professional Summary

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Results-driven **Python Full Stack Engineer** and Information Technology graduate (2025) with expertise in **Django REST Framework, React, and Data Engineering**. Proven ability to build scalable web applications and AI-driven systems, achieving **70% database performance optimization** and reducing development setup time by **5+ hours weekly** through automation. Strong focus on backend architecture, API design, and intelligent data-driven solutions using modern technologies.

## Technical Skills

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- **Languages:** Python, C/C++ , JavaScript, SQL, HTML5, CSS
- **Frameworks:** Django, Django REST Framework, FastAPI, React (Vite)
- **Databases:** MySQL, SQLite, Oracle, AWS (RDS basics)
- **Tools:** Git, GitHub, Postman, VS Code, PyCharm, Figma, Power BI, SonarQube, Jira
- **Core Expertise:** REST API Design, Backend Development, Data Engineering, Data Cleaning, Web Scraping, Machine Learning Basics

## Professional Experience

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**Python Full Stack Developer Intern** | Faith Infotech, Technopark (Dec 2025 – Present)

- Engineered full-stack applications using **Django REST Framework and React**, delivering scalable and modular solutions.
- Optimized complex SQL queries and back end logic, improving system performance by **70%**.
- Designed and integrated RESTful APIs with frontend using Axios, ensuring seamless data flow.
- Automated development workflows and environment setup, saving **5+ hours per week** for development teams.
- Followed industry practices including version control, code reviews, and modular architecture.

**Cyber Security Intern** | Techbyheart (Jul 2023 – Aug 2023)

- Conducted vulnerability analysis and implemented basic security practices for web applications.
- Gained exposure to network security concepts and secure coding standards.

**Java Intern** | Nyeste Venture Technologies (Jan 2023 – Feb 2023)

- Developed Java-based backend modules and strengthened understanding of OOP principles.

## Key Projects

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**Clinic Management System (Enterprise Full Stack Project)**

- Developed Lab Technician module in a multi-role hospital system using **Django, DRF, React, MySQL**.
- Implemented **automated lab report generation, abnormal result detection, and billing workflows**.
- Designed scalable REST APIs and ensured efficient frontend-backend communication using Axios.
- Improved system usability by structuring role-based workflows and real-time data updates.

- [Live Demo](#) , [GitHub](#)

### Resume Matcher Pro (AI-Powered System)

- Built intelligent resume screening platform using **NLP and Transformer models**.
- Implemented semantic similarity scoring to match candidates with job descriptions.
- Reduced manual screening effort by automating candidate ranking.
- Developed user interface using Streamlit for real-time interaction.
- [GitHub](#)

### Expense Tracker (Personal Finance Application)

- Designed and developed a responsive finance tracking app using **React and TailwindCSS**.
- Implemented real-time expense tracking, category-based analysis, and UI state management.
- Enhanced user decision-making by visualizing income vs expenses.
- [GitHub](#)

### Developer Portfolio (Production Web App)

- Built high-performance portfolio using **React + TypeScript**, showcasing projects and skills.
- Implemented responsive UI, optimized load performance, and deployed using modern hosting platforms.
- Designed for recruiter engagement and project visibility.
- [Live Website](#) , [GitHub](#)

## Education

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**B.Tech in Information Technology** Marthandam College of Engineering and Technology (2021 – 2025) Tamil Nadu, India

- Relevant Coursework: Data Structures, DBMS, Operating Systems, Computer Networks

## Additional Information

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- **Certifications:** C/C++ , UI/UX Designing, Cyber Security Internship
- **Technical Interests:** Data Science, Machine Learning, Deep Learning, Generative AI
- **Interests:** Reading comic books, Watching science-fiction movies
- **Typing Skills:** English & Tamil Typewriting