

# JAYA LAKSHMI JILAKARA

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## OBJECTIVE

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Versatile Software Developer with 1.7 years of experience in backend and full-stack development. Expertise in Python, JavaScript, Django, and ERPNext for creating robust applications and enterprise solutions. Strong background in database management, API development, and system optimization. Adept at problem-solving and working in collaborative teams to enhance software efficiency and functionality.

## EDUCATION

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<b>Bachelor of Technology (Electronics and Communication)</b>	June 2020 -May 2024
Rajiv Gandhi University of Knowledge Technologies - Srikakulam	<b>CGPA 9.0/10</b>
<b>Pre-University Course</b>	May 2018 – May 2020
Rajiv Gandhi University of Knowledge Technologies - Srikakulam	<b>CGPA 8.9/10</b>

## SKILLS

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<b>Programming</b>	Python, JavaScript, Java, React.js, Node.js
<b>Databases</b>	MariaDB, MySQL, PostgreSQL
<b>Tools/Frameworks</b>	Django, ERPNext, Frappe Framework, Postman, Docker, Git
<b>Web Technologies</b>	HTML, CSS, Jinja

## EXPERIENCE

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<b>Software Developer</b>	Oct 2024 - Present
Simpel Techlabs Private Limited	<i>Bengaluru, Karnataka</i>

- Developed and maintained Frappe-based applications using Python and JavaScript, optimizing business workflows and system functionalities.
- Enhanced database performance by structuring and optimizing MariaDB, ensuring data integrity and faster query execution.
- Designed and implemented dynamic and user-friendly interfaces using HTML, CSS, and Jinja templating, improving user experience.
- Integrated and debugged APIs using Postman, ensuring seamless communication between frontend and backend services.
- Collaborated with cross-functional teams to identify system improvements, troubleshoot issues, and enhance overall software efficiency.

<b>Software Developer Intern</b>	Sep 2023 - Sep 2024
EasyCloud Software Solutions	<i>Hyderabad, Telangana</i>

- Assisted in developing Frappe applications with Python and JavaScript, automating business processes and improving system efficiency.
- Optimized and managed database structures in MariaDB, ensuring improved performance, scalability, and reliability.
- Designed and implemented interactive user interfaces using HTML, CSS, and Jinja templating, enhancing application usability.
- Tested and debugged APIs using Postman, ensuring data accuracy and smooth API performance.

## PROJECTS

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### AMBA BAJAJ, NANI AGRO, SKIPPER, PARAS WIRES

Oct 2023 - Present

- Developed a comprehensive ERPNext-based software solution to efficiently manage and track business operations.
- Implemented an advanced inventory management system for real-time stock tracking and optimized supply chain processes.
- Integrated Google Drive and Gmail APIs to enhance collaboration and streamline document storage and communication.
- Developed a custom production planning and scheduling module, reducing downtime and improving workflow efficiency.

### M11, HILLTOP, BRINDHAVAN, ROCKWELL INDUSTRIES

Sep 2023 - Sep 2024

- Built a scalable mobile application using Frappe Framework and ERPNext, enabling seamless business process automation.
- Integrated M11 with AXIS Bank's payment gateway, ensuring secure and efficient financial transactions.
- Designed and implemented backend logic using Python, ensuring smooth interaction between mobile and backend systems.
- Optimized data management in MariaDB, improving performance, scalability, and data retrieval efficiency.
- Developed and maintained RESTful APIs, using Postman for thorough testing, debugging, and documentation.

#### Task Management System

[Github](#)

Technologies: React.js, Node.js, Express.js, MySQL

- Developed a task management application allowing users to create, update, and manage tasks with status categorization (To-Do, In Progress, Completed) and filtering by due date and priority. Integrated team collaboration features for task assignment and progress tracking. Implemented a RESTful API for seamless communication between the frontend and backend, optimizing task management and team productivity.

#### Days Calculator

[Github](#)

Technologies: Django, Python, HTML, CSS

- Developed a web-based Days Calculator application that allows users to calculate the number of days between two dates. Utilized Django and Python for backend logic and date calculations, ensuring accuracy and efficiency. Designed a user-friendly interface with HTML and CSS, featuring a calendar view for easy date selection. Implemented input validation and error handling to provide real-time feedback on invalid date formats.

## ACHIEVEMENTS

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- Qualified for National Merit-Cum Means Scholarship(2015-2016)
- Dean's List (2020-2023): Consistently maintained a CGPA of 9.