

Lavanya

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PROFESSIONAL SUMMARY

Dedicated Computer Science Engineer with expertise in full-stack development, software engineering, and database management. Passionate about coding, automation, and scalable solutions, aiming to collaborate with teams to drive efficiency and innovation in software development.

SKILLS

Languages: Python, JavaScript, Basics of Java and C

Frontend: HTML, CSS, Tailwind CSS, React.js

Backend & APIs: Flask, Node.js, Express.js, RESTful APIs

Databases: MySQL, MongoDB

Tools: Git, GitHub VS Code, Postman

INTERNSHIPS

React Developer (Intern) | Incture Technologies

- Built and optimized React.js applications with API integration.
- Improved state management and scalability for better performance.

Front-End Developer (Intern) | Codelab Systems

- Developed and tested applications with HTML, CSS, and JavaScript.
- Improved UI/UX and performance in collaboration with engineers.

Salesforce Administrator (Remote) | Smart Internz

- Customized Salesforce solutions, managed user roles and permissions.
- Earned Super Badges, showcasing expertise in CRM automation.

PROJECTS

Object Detection App | HTML, CSS, Python (Flask), OpenCV, YOLO | [LINK](#)

- Developed a real-time object detection app using Flask & OpenCV.
- Integrated the YOLO model for accurate and efficient object recognition.
- Optimized image processing and detection algorithms for high performance.

ZeroWasteX: Smart Waste Disposal System | MERN Stack, OpenRouteService API | [LINK](#)

- Developed a smart waste management system enabling users to schedule waste pickups and notify collectors in real-time.
- Integrated route optimization using OpenRouteService API for efficient waste collection.
- Built an interactive dashboard for waste collectors to track and manage requests.

DevMind: Second Brain for Developers | Python, Streamlit, Sentence Transformers, ChromaDB, | [LINK](#)

- Developed AI tool to extract text from images, PDFs, DOCX, and code files (Python, JS, TS, HTML, XML, JSON) with OCR, embeddings, and README generation.
- Implemented Python code analysis for explanation, refactoring, test generation, and documentation using Sentence Transformers and ChromaDB.

EDUCATION

B.E. in Computer Science and Engineering | 8.71 CGPA

St Joseph Engineering College Mangalore, Karnataka

2023-Present

Diploma in Computer Science and Engineering | 81.7%

Govt. Polytechnic for Women, Karnataka

May-2022

X - SSLC | 80.64%

Shree Narayana Guru English Medium School Katipalla, Kaikamba

Apr-2019

CERTIFICATES

Salesforce Administrator Virtual Internship | SmartInternz

Programming Foundations with JavaScript, HTML and CSS | Duke University

Data Science 101 | IBM SkillsBuild

[LinkedIn](#)

[Github](#)

[Portfolio](#)