

# MAHALAKSHMI S

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 Dharmapuri, Tamilnadu

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## PROFESSIONAL SUMMARY

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Enthusiastic Computer Science Engineering student with a strong interest in pursuing a career in Full Stack Development. Currently building foundational skills in Python, web technologies, and software development principles. Known for strong problem-solving abilities, quick learning, and effective leadership in team environments. Eager to apply my technical aptitude, adaptability, and passion for development to grow into a full stack role and contribute to real-world projects.

## EDUCATION

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### Bachelor of Engineering,

2022 – 2026

*Government College Of Engineering, Dharmapuri ( affiliated to Anna University)*

Dharmapuri, Tamilnadu

Currently pursuing final year of B.E. Computer Science and Engineering, focusing on core areas such as programming, web development, and software engineering. Maintaining strong academic performance while actively working on technical projects to build practical skills.

## SKILLS

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### Programming languages

- Python, C

### Soft Skills

- Problem Solving
- Teamwork
- Time Management
- Communication

### Web Development

- HTML, CSS, React, Javascript

## PROJECT WORKS

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### Road Accident Data Analysis using Machine Learning,

Tech: Python, Pandas, NumPy, Scikit-learn, XGBoost, SMOTE, SHAP, Matplotlib, Seaborn

- Analyzed road accident and vehicle datasets to identify high-risk conditions and accident severity patterns.
- Developed machine learning models (Logistic Regression, Random Forest, XGBoost) to predict accident severity.
- Performed data preprocessing, feature engineering, and class imbalance handling using **SMOTE**.

### UI/UX Design of a Pinterest Application

Tech: Figma, Maze, HTML, CSS, JavaScript, UI/UX Design Principles

- Designed a user-centric, responsive Pinterest-like application by following the complete **UI/UX design thinking process** from research to usability testing.
- Created wireframes, high-fidelity UI screens, reusable components, and interactive prototypes using **Figma**.

### Online Examination Registration System (OOSE Project),

Tech: Java, MySQL, HTML, CSS, JavaScript, OOSE, UML

- Designed and developed an object-oriented system for online exam registration, student management, and exam scheduling.
- Applied **OOSE principles** to model the system using **UML diagrams** such as Use Case, Class, Sequence, and Activity diagrams.
- Implemented secure student registration, exam enrollment, and admin management workflows with database integration.

## CERTIFICATIONS & ACHIEVEMENTS

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**Python Fullstack Intern-  
Optimus Technocrates**   
Internship - 2025

**Oracle Cloud Infrastructure  
Course**   
Oracle - 2023

**Fundamentals of Deep Learning  
Course**   
Nvidia - 2025

**Cloud Engineering Course**   
Google - 2025

**Data Analytics Course**   
Google - 2024

## STRENGTH

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- Ability to stay focused and complete tasks
- Willingness to learn new skills
- Self- Motivated Person
- Good communication