Madhumitha R

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Education

The American College	Sept 2022 - Apr 2024
Master of Computer Applications (CG PA: 8.0 / 10)	*Madurai, Tamil Nadu*
Lady Doak College	Jun 2019 - Apr 2022
Bachelor of Science in Computer Science (CG PA: 8.3 / 10)	*Madurai, Tamil Nadu*

Experiences

Tamil Nadu e-Governance Agency, Full-time　　　　　　　　　　Apr 2025 – Present

Junior ML Engineer - NLP　　　　　　　　　　　　　　　　　　　*Chennai, Tamil Nadu*

- Acquired practical experience in Flask, utilizing it for the design and implementation of RESTful APIs with integrated MySQL database connections.
- Designed and developed a standalone API to return a list of team names based on the user-defined query.
- Improved crop detection accuracy by 70% of over 500 images across three distinct crop types using specialized data annotation tools such as Label Studio and CVAT.

Zidio Development, Internship　　　　　　　　　　　　　　　　Jan 2025 – Apr 2025

Fullstack Developer　　　　　　　　　　　　　　　　　　　　*Bengaluru, Karnataka*

- Developed a task management application for Zidio using MERN stack technologies with CRUD functionalities and user authentication.
- Designed a responsive UI with React, Tailwind CSS, and Material-UI, building a RESTful API with Express.js and MongoDB, ensuring efficient data storage and seamless task management.
- Implemented login and registration modules in the system to access the user dashboard for adding, editing, deleting, and completing the tasks featuring a form of task title, description, priority, and due date.

Slash Mark IT Solutions (OPC) Pvt. Ltd, Internship　　　　　　May 2024 – Aug 2024

Web Developer　　　　　　　　　　　　　　　　　　　　　　　　*Remote*

- Developed a responsive and visually appealing product landing page for an ice cream shop, utilizing HTML for structure, CSS for styling, and Bootstrap for layout and mobile responsiveness.
- Designed intuitive navigation and visually engaging elements to enhance user experience and improve product engagement.
- Demonstrated skills in web design principles and an eye for UI design.

Skills and Interests

Programming Languages and Databases:　HTML, CSS, JavaScript, Python, PHP, C#, MySQL, MongoDB

Tools and Platforms: Microsoft VS Code, Spyder, Jupyter Notebook, Git and GitHub, Postman API

Design: Figma, Canva, Wix, WordPress, Miro, Framer

Libraries and Frameworks: Bootstrap, ReactJS, NodeJS, Tailwind CSS, Material UI, Numpy, Pandas, RESTful API, Flask

Soft Skills:　Adaptability, Teamwork, Leadership, Time Management, Problem Solving

Core Subjects:　Object Oriented Programming, System Design, Data Structures and Algorithms

Interests: Calligraphy, Painting, Mandala Drawing, UI/UX Designing, DIY

Achievement

Recipient of *"Certificate of Recognition"* by Lady Doak College **(2022)**

Certifications

Workshops and Masterclasses:

- *"Myntra Data Analysis using Python"* from WsCube Tech. (Mar 2025) | **LINK**
- *"SAWIT.AI Learnathon"* from GUVI Geek Networks, IITM Research Park. (Sep 2024) | **LINK**
- *"Learn and Build a Career in UI-UX Design"* by Kaarwan Design School. (Aug 2022) | **LINK**
- *"Development of Digital Game based on eContent"* by CIET-NCERT. (July 2021) | **LINK**

Trainings:

- *"Fullstack Web Development using MERN"* from DevTown. (Jun 2024 - Oct 2024) | **LINK**
- *"Web Development"* Training from Internshala Trainings. (Jun 2023 - Aug 2023) | **LINK**

Volunteering

Department of Computer Science, Lady Doak College   Jun 2021 – Apr 2022
Representative   *Madurai, Tamil Nadu*
- Served as one of the class representatives at the Jupito Club, Department of Computer Science, Lady Doak College by winning rewards in both technical and non-technical competitions that are organized by the department club.
- Demonstrated strong leadership qualities by representing my class in the college by participating in various programs and workshops.

National Service Scheme   Jul 2019 – Apr 2021
Student Volunteer   *Madurai, Tamil Nadu*
- Engaged in organizing and leading interactive workshops during college events, resulting in a 20% increase in student participation and engagement levels.
- Participated in a week-long virtual camp focused on building interpersonal skills, fostering social awareness towards national issues, and developing teamwork abilities, impacting over 100 fellow attendees.

Projects

POSTGRADUATION PROJECT:
PLACEMENT MANAGEMENT SYSTEM - Fresher's Target   Dec 2023 - Mar 2024
Repository Link | *Demo Video*

- A job-seeking platform is designed for freshers to apply for jobs through off-campus placements.
- Features separate login portals for users and the admin with user account management and admin tools for monitoring registrations and managing company listings.

  Tech Stack: HTML, CSS, JavaScript, PHP, MySQL, Bootstrap

UNDERGRADUATION PROJECT:
LIFE FRONTIER ENGAGEMENT - Website Creation For Women Empowerment   Dec 2021 - Apr 2022
Repository Link | *Demo Video*

- It is a community-based group project in which a website was created for a women's trust to collect their donations, showcase services, and manage volunteer registrations.
- Led a group of 4 people throughout the entire development of this project.
- Developed a login for the admin to view the volunteer list and registration form for the volunteers to register themselves for the social service.

  Tech Stack: HTML,CSS, JavaScript, PHP, MySQL, Bootstrap, jQuery