HARSHA Y

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OBJECTIVE

To leverage my academic foundation in Computer Science & Engineering to develop efficient, user-focused software solutions. I aim to secure a challenging position where I can apply my skills in Software Development while continuously growing as a technology professional and contributing meaningfully to organizational goals.

INTERNSHIPS

1. Contriver, Bengaluru
Web Development & Data Science Intern, Sep 2024 – Dec 2024

Developed full-stack web applications and performed data-driven analysis.
Contributed frontend features using modern web technologies.
Applied data science techniques to real-world scenarios.

2. IBM SkillsBuild – Edunet Foundation
Duration: 2023 – 2024

Built AI-powered solutions using IBM Watson Assistant and IBM Cloud.
Conducted Exploratory Data Analysis (EDA) on employee datasets using Python.
Gained hands-on experience with natural language processing, cloud deployment, and data visualization tools like Seaborn, Pandas, and Matplotlib.

TECHNICAL SKILLS

- **Programming Languages & Frameworks**: *React.js, Spring Boot, C++, Java, Python*
- **Libraries & Tools**: *Git, Matplotlib, Seaborn, Pandas, NumPy, Firebase*
- **Core Subjects**: *OOPS, OS, DBMS*

EDUCATION

B.E in Computer Science & Engineering
Acharya Institute of Technology

📅 CGPA: 7.72   📍 Bangalore- 2025

Diploma
MEI Polytechnic

📅 Percentage: 73.5% overall   📍 Bangalore- 2021

SSLC-10th
Sainik Public School

📅 Percentage: 86.24 %   📍 Bangalore- 2018

CODING PROFILE

Secured a Global Rank of 3065 in TCS CodeVita 2024
CodeChef - harsha24 [180+ problems solved] 🌐 Link

PROJECTS

AI Trip Planner   🌐 Project Link

- Developed an *AI-powered travel* planning application that provides personalized destination recommendations, optimized itineraries, Days and Budget. Integrated **React.js, TailwindCSS, Firebase** and for a responsive user interface and secure backend. Utilized **Google Gemini AI** for hybrid recommendation engine to deliver an efficient and user-friendly travel planning experience.

Real Time Chat-App   🌐 Project Link

- Real-time chat application built using **React and Socket.IO**. The project is organized into two main directories: `client` and `server`. The client side is primarily developed with **JavaScript, CSS, and HTML**.

Inventory Management System   🌐 Project Link

- **Tools: PHP, MySQL, HTML5, CSS, JavaScript, XAMPP**
  Built a web-based system using XAMPP to manage stock, suppliers, customers, and transactions.
  Implemented role-based access for Admin, Employee, and Customer.
  Ensured real-time inventory updates and data consistency with MySQL.
  Designed a responsive user interface using HTML, CSS, and JavaScript.

Exploratory Data Analysis (EDA) Capstone Project   🌐 Project Link

- **Tools: Python, Pandas, Matplotlib, Seaborn**
  Analyzed employee dataset to determine gender distribution and age groups.
  Applied univariate analysis and data visualization techniques using Seaborn and Matplotlib.
  Performed data cleaning, transformation, and summary statistics for insights.

Fake Currency Detection   🌐 Project Link

- **Tools: Python, OpenCV, Streamlit, NumPy, Matplotlib**
  Developed a web-based application using Streamlit for verifying currency note authenticity.
  Implemented image processing techniques to check color consistency, bleed lines, serial numbers, and font size.
  Utilized OpenCV for contour detection, edge detection, and morphological operations.
  Automated detection of fake notes with high accuracy using feature comparison algorithms.