C VISHWAK SENA

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CAREER OBJECTIVE

Passionate Computer Science Student Specializing in Data Science with a proven aptitude for complex problem-solving, demonstrated through active participation in competitive programming. My objective is to apply a strong foundation in algorithms and data structures to develop innovative and impactful technological solutions. I'm committed to leveraging technology to solve real-world challenges and contribute meaningful to the industry through continuous learning and professional growth.

EDUCATION QUALIFICATION

- **Bachelor of Engineering – Computer Science Engineering (Data Science)**
  CMR Institute of Technology, AECS Layout, Bangalore
  9.12, 2027 [Pursuing]
- **12th Standard – Science**
  Vasishta PU College, Ballari
  92.16%, 2023
- **10th Standard**
  Dream World School, Ballari
  78.02%, 2021

TECHNICAL SKILLS

Programming Languages: Python,Java, C, SQL.
Software: Visual Studio Code, Power BI, IntelliJ Idea.
Operating System: Windows,Mac.
Web Technology: HTML, CSS, JavaScript,React.js,Node.js,Express.js,FastAPI.
Database: MySQL , MongoDB.
Version Control: Git, GitHub.

PROJECTS

- **Title: CureBlend - AI Driven Healthcare Recommendation System**
  ◦ Developed a machine learning-based system to predict diseases from user symptoms.
  ◦ Implemented a knowledge graph to recommend appropriate herbal treatments.
  ◦ Deployed a Streamlit web application for real-time diagnostic and treatment display.
  ◦ Automatic testing and integration using GitHub actions to ensure code quality.
  ◦ **Tech Stack**: Python, Streamlit, Tensorflow.

- **Title: Adaptive Timetable Generation System**
  ◦ Created an automated timetable system using constraint based DSA methods.
  ◦ Applied backtracking and greedy algorithms to generate conflict free timetables.
  ◦ Developed a flask based web application to create, view and export timetables.
  ◦ Optimizing timetable generation to support multiple branches with balance workload.
  ◦ **Tech Stack:** Python, Flask, JavaScript, HTML/CSS, Data structures & algorithms.

- **Title: Automated Attendance System**
  ◦ Built a facial recognition-based system to automatically record student attendance.
  ◦ Implemented real time, face detection and recognition using open CV.
  ◦ Developed a full stack application with the Flask backend and Next.js frontend.
  ◦ Design separate student and teacher modules with rolled based authentication and access control.
  ◦ Enabled automated attendance reports with CSV export and backup support.
  ◦ **Tech Stack**: Python, OpenCV, Flask, Next.js, Pandas.

- **Title: Student Management System**
  - Built a Python desktop application with Tkinter GUI to manage student records.
  - Integrated with a MySQL database for secure storage and fast retrieval.
  - Designed user-friendly dashboards and search functionality for efficient record management.
  - Implemented CRUD operations, input validation, and fee/marks modules.
  - **Tech Stack**: Python, Tkinter, MySQL.

INTERNSHIPS

- **Company Name:** ISRO
  Duration: 3 Months
  Designation: Software Intern
  Responsibilities:
  - Executed project "Mausam Data Training using Machine Learning" on meteorological datasets.
  - Preprocessed and analyzed large-scale weather data, improving model accuracy by 12%.
  - Designed ML pipelines for data ingestion, cleaning, feature extraction, and evaluation in Python.
  - Collaborated with the Range Operations team, gaining exposure to real-time launch operations.
  - Rated "Very Good" for conduct and contribution by the ISRO Group Director, MSG Division.

CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- **Hackathons:**
  - Competed in **Techxcelerate (BITS HYD) Hackathon**, 2025.
  - Participated in **Adobe India Hackathon,** 2025.
  - Engaged in **FullStack Fiesta 2025** at **CMRIT.**
  - Participated in **Google Agentic AI Hackathon,** 2025.
  - Participated in **Smart India Hackathon,** 2025,2026.
- **Technical Clubs:**
  - Technical Lead, **Center for Cognitive Activites (CCA)**, since April 2025.
  - Event Management Head, **Innovation Club**, since November 2025
  - Organized and conducted multiple events – **Express & Impress, MindSpeak, DataQuest.**
- **Additional Responsibilities:**
  - Currently serving as the **Student Placement Coordinator.**
  - Served as **Class Representative** in the 4th ,5th semester.

ACHIEVEMENTS

- Winner of **MindSpeak: A Battle of Perspectives,** CMRIT (2025).
- Secured **3rd** place in the event **Plot and Cast** at Convergence 2024 Inter-Collegiate Mathematics.
- Winner of **FullStack Odyssey Hackathon**, CMRIT (2025).
- Awarded **Class Representative** Certificate (2023–Present) for leadership.
- Selected as **College Ambassador** for IIT Bombay's Techfest 2025-26.
- Certified as an **Active Participant** in the Campus 2 Community Fellowship (Cohort 1).

PERSONAL DETAILS

Date of Birth	: 2 1st June, 2005.
Gender	: Male.
Nationality	: Indian.
Permanent Address	: Kolimi Bazaar Mullangi Street, Ballari, Karnataka - 583101
Linguistic Competency	: Kannada,English,Hindi,Telugu.
Hobbies	: Gaming,Playing Badminton,Blogging,Video Editing.