

C VISHWAK SENA

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GitHub: <https://github.com/vishwaksen21/>

LeetCode: https://leetcode.com/u/vishwak_sen21/



CAREER OBJECTIVE

Passionate Computer Science student specializing in Data Science, with strong technical and problem-solving skills developed in collaborative, fast-paced environments. Proficient in programming languages such as Java and Python, with a solid understanding of software development processes. Seeking to transition into a new field by leveraging transferable skills to contribute effectively in diverse and dynamic settings.

EDUCATION QUALIFICATION

- **Bachelor Of Engineering (B.E) - Computer Science Engineering (Data Science)**
CMR Institute of Technology, Bengaluru, Karnataka
9.06, 2027[Pursuing]
 - **Class XII – PCM**
Vasishta PU College, Ballari, Karnataka
92.16%, 2023
 - **Class X**
Dream World School, Ballari, Karnataka
78.02%, 2021
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TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C
 - **Database Management:** MySQL, MongoDB
 - **Operating Systems:** Windows, Linux
 - **Data Analysis and Visualization:** Tableau, Power BI, Microsoft Excel
 - **Development Tools and IDEs:** Visual Studio Code
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PROJECTS

- **Cure-Blend: AI-Driven Healthcare Recommendation System**
 - Engineered a machine learning–driven health assessment system to estimate disease likelihood with 94% validated accuracy.
 - Designed a medical knowledge graph combining 40+ herbal and pharmaceutical treatments.
 - Developed and deployed a web application delivering real-time predictions in under 2 seconds.
 - Integrated systematized model evaluation, 20+ test cases, and CI/CD pipelines using GitHub Actions.
 - Tech Stack: Python, TensorFlow, scikit-learn, Streamlit, GitHub Actions
- **Real-Time Face Recognition Attendance Automation System**
 - Implemented an automated attendance system using face recognition, trained on 50 images per student with OpenCV-based preprocessing.
 - Executed real-time face detection and recognition achieving 95%+ identification accuracy.
 - Generated subject-wise CSV reports with attendance percentages for multiple classes.
 - Built a GUI application to automatically record and export 100+ attendance entries per subject, reducing manual effort.
 - Tech Stack: Python, OpenCV, Computer Vision, Pandas, NumPy, TensorFlow
- **Constraint-Based Timetable Generation System**
 - Designed and implemented a DSA - driven computerized timetable generator ensuring 0 hard constraint violations.
 - Applied constraint satisfaction techniques and greedy algorithms to efficiently resolve scheduling conflicts, achieving a 970/1000 validation score.
 - Optimized academic scheduling for 31 hours per week, maintaining balanced workload distribution and effective slot utilization.
 - Constructed a Flask-based web application with support for JSON, CSV, and HTML exports for easy integration and reporting.
 - Tech Stack: Python, Data Structures & Algorithms, Constraint Satisfaction, Flask, Pandas, NumPy

INTERNSHIPS

- **ISRO – SDSC SHAR**

Duration: 13th August, 2024 – 13th November, 2024

Designation: Software Intern

Responsibilities:

- Improved machine learning pipelines for meteorological data analysis, improving model accuracy by 12%.
- Pre-processed and analysed large-scale weather datasets using Python, Pandas, and TensorFlow.
- Designed automated ML pipelines for data ingestion, cleaning, feature extraction, and model evaluation.

- **Sohum Trust – Service to Educate**

Duration: 22nd January, 2026 – 27th March, 2026

Designation: Web Development Intern

Responsibilities:

- Developed and maintained RESTful APIs to enhance application functionality.
 - Configured CORS for secure communication between frontend and backend for the website.
 - Collaborated with designers to implement website layouts and functionalities with project requirements.
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CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES

- **Hackathons:**

- Competed in Adobe India Hackathon, 2025
- Engaged in Full-Stack Fiesta 2025 at CMRIT
- Took part in Google Agentic AI Hackathon, 2025
- Involved in Smart India Hackathon, 2025 and 2026
- Actively Competed in Byte Battle 1.0 – DSA Hackathon, 2025

- **Technical Clubs:**

- Technical Lead - Centre for Cognitive Activities (CCA), since April 2025
- Event Manager - Innovation Club, since November 2025
- Organized and managed technical events, hackathons, and competitions

- **Certifications:**

- IBM – Python for Data Science, AI & Development
- Oracle Cloud Infrastructure 2025 – AI Foundations Associate
- Kaggle – Data Visualization
- SAP – On-Premise Data Warehouse using BW/4HANA
- JPMorgan Chase – Software Engineering Job Simulation

- **Additional Responsibilities:**

- Currently serving as the Student Placement Coordinator
 - Active Peer Learning Team (PLT) member
 - Coordinated in Department-Level Events and Mock Drives
 - Served as Class Representative in the 3rd, 4th, 5th semester
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ACHIEVEMENTS

- Winner - Mind-Speak: A Battle of Perspectives (Group Discussion), CMRIT Placement Department
 - Winner - Full-Stack Odyssey Hackathon, CMRIT 2025
 - Team placed in top 4% in TechXcelerate 2025 Hackathon (1200+ teams), BITS - Hyderabad
 - 3rd place - Plot and Cast Event, Convergence 2024 Inter-Collegiate Mathematics Competition
 - Awarded as Active Participation – Google Student Ambassador Program (Google Gemini), 2025
 - Selected - IIT Bombay's Techfest 2025-26 College Ambassador
 - Certified - Active Participant in the Campus 2 Community Fellowship (Cohort 1)
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PERSONAL DETAILS

Date of Birth : 21st June, 2005

Gender : Male

Nationality : Indian

Permanent Address : 86/1 Kolmi Bazaar, Ballari, Karnataka - 583101

Linguistic Competency : English, Kannada, Hindi, Telugu

Hobbies : Playing Football, Photography, Travelling