CHANCHALA SAI GOWTHAM

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Education

CMR UNIVERSITY   **2022 – 2026**

Computer Science Engineering | CGPA: **8**

Related Coursework: Data Mining, Artificial Intelligence, Machine Learning, Database Management Systems, Data Structures & Algorithms, Design Analysis & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks

Skills

Programming: Python, Java, HTML/CSS, JavaScript, SQL.

Libraries: NumPy, Pandas, Matplotlib, Scikit-learn.

Databases: MySQL, MongoDB.

Tools: VS Code, IntelliJ, PyCharm, Jupyter Notebooks, Git/GitHub.

Soft skills: Collaboration, Leadership, Adaptable, Communication, Time Management, Empathy.

Projects

Student Life Enhancement Platform

- Developed a platform that pairs students with compatible roommates by using a quiz-based matching system, analyzing their preferences and personality traits for optimal compatibility.
- Utilized similarity algorithms to match students based on quiz answers, fostering better communication and reducing conflicts in shared living spaces.

Flood Victim Detection System(ResQ)

- Developed an AI-powered platform that uses drone images and satellite data (ISRO's Sentinel-1 SAR and NOAA's VIIRS) to detect victims during or post-floods, improving disaster response time.
- Implemented a machine learning model that detects humans and flood levels, integrates SOS alerts with live location tracking, and automates social media posts to mobilize community help.

Achievements

- Secured the 1st Runner-Up position in CAUSE 2025 for the Flood Victim Detection System (ResQ), an AI-powered platform for real-time flood and wildfire monitoring, victim detection, and rescue coordination..
- Participated in CAUSE 2023, where the project was awarded the 'Spirit of Innovation' for addressing common student problems in academics, career guidance, and hostel management..

Experience

AICTE - Techsaksham (CSR Initiative of Microsoft and SAP) | AI Intern   **Feb 2025 – Apr 2025**

- Attended interactive sessions on OpenCV, Streamlit, computer vision, and deep learning.
- Developed an AI-powered medical diagnosis system, applying deep learning to assist in healthcare diagnostics, enhancing accuracy in decision-making..
- Documented project architecture and outcomes, earning a certificate of completion from AICTE, Microsoft, SAP and Edunet Foundation.

Certifications

- **Data Mining - Unsupervised Learning**: Gained foundational knowledge in data mining techniques, algorithms, and tools for extracting valuable insights from large datasets (**Udemy**).
- **The Ultimate Job Ready Data Science**: Completed a comprehensive course on Data Science, including machine learning, data analysis, and visualization (**CodeWithHarry**).

Additional

- Attended workshops and events hosted by Google and Microsoft to gain practical insights into cutting-edge technologies and industry trends.
- Languages: English, Hindi, Kannada, Telugu.