

AJAY KUMAR SOMA

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Hyderabad, Telangana, India.

Education

CMR TECHNICAL CAMPUS

Bachelor of Technology in Computer Science and Engineering (AI & ML)
CGPA 8.09

Nov 2022 – Present

TELANGANA STATE MODEL SCHOOL & JR. COLLEGE

Intermediate in MPC
CGPA 7.57

May 2020 – May 2022

ZILLA PARISHAD HIGH SCHOOL

SSC
CGPA 10.0

Jun 2019 – Mar 2020

Skills

Programming Languages: Python, JAVA, C++, C, SQL

Web Technologies: HTML, CSS

Databases: MySQL

Tools: Git, GitHub, Excel, PowerPoint, MS Word

Platforms: PyCharm, Jupyter Notebook, Visual Studio

Soft Skills: Problem Solving, Critical Thinking, Teamwork, Time Management

Others: Data Structures, Algorithms, Object-Oriented Programming (OOPs)

Projects

Cardiovascular Disease Prediction (Python, Streamlit, XGBoost)

- Built a **Streamlit-based web app** for **cardiovascular disease prediction** using **XGBoost**.
- Designed an **interactive UI** with patient input fields and **real-time predictions**.
- [GitHub Link](#)

University Management System (Java, JavaScript, HTML, CSS, MySQL)

- Developed a **comprehensive university management system** allowing admins to **enroll/disenroll students & faculty**.
- Implemented **secure login functionality** for students and faculty to **view reports and details**.
- [GitHub Link](#)

Personal Portfolio (HTML, CSS, JavaScript)

- Designed and developed a **responsive portfolio** to showcase skills & achievements.
- [GitHub Link](#)
- [Live Demo](#)

Human Face Age & Gender Classification (Python, PyCharm, OpenCV)

- Used **Deep Neural Networks (DNN)** for **accurate age & gender classification**.
- Integrated **pre-trained models** for **face detection & feature extraction**.
- [GitHub Link](#)

Certifications

Certificate of Appreciation, Technovanza 3.0: Selected for **Internal Level of Smart India Hackathon (SIH)**

Learn to Code in Python 3 (Udemy): Completed Python course from **beginner to advanced level**

Introduction to Machine Learning (Infosys Springboard): Completed **foundational ML course**

C++ Fundamentals (Infosys Springboard): Completed a course on the **fundamentals of C++**.

C Programming (IIT Bombay): Completed certified **C programming** course

AI Foundations (Hexart.In): Completed **foundational AI course**

Achievements & Activities

Top 10 Finalist – Smart India Hackathon (SIH) Internal Level

- Qualified among **top 10 teams** showcasing **innovation & teamwork** in solving real-world problems.

Sep 2023

1st Place – HackerEarth Weekly Test

- Ranked #1** in a **competitive Java programming test** demonstrating **strong coding skills**.

Aug 2024

DSA Problem Solving (Ongoing)

- Solved **500+ Data Structure & Algorithm (DSA) problems** on **LeetCode, CodeChef, Codeforces**.