Mrudula Gharat

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Summary

Passionate AI & ML student skilled in Python, R, and Frontend Development, with hands-on experience building intelligent solutions like KARMAS (SIH 2025) and other AI-driven projects.

Experience

May 2025 – Jul 2025

Frontend Web Development Intern
CODTECH IT SOLUTIONS

- Developed an interactive Quiz App using JavaScript with dynamic question loading and real-time feedback.
- Built a responsive Real-Time Chat App using React.js and WebSockets with clean UI and message history.
- Designed a Personal Portfolio Website with HTML/CSS for showcasing skills and projects.
- Created a multi-page E-learning UI with course listings, video embedding, and progress tracking.
- Used: HTML, CSS, JavaScript, Node.js, Git, GitHub.
- Emphasized clean code, responsive design, and version control.

Education

2021 – 2022

David English Medium School
10th * High School

2023 – 2024

RCF School And Junior College
12th * Inter mediate

2021 – 2022

Universal Ai University
B.Tech Computer Science(AI & ML   * First Year Undergraduate

Certification

C programming
Certificate Link
Date of Completion: 25th November 2024

- Successfully completed all lessons and hands-on projects in C programming.
- Gained strong foundational knowledge in programming concepts such as loops, arrays, pointers, and memory management.
- Developed problem-solving skills and improved coding efficiency using the C language.

Deep Dive into R Programming
Certificate Link
Date of Participation: 2nd – 3rd January 2025

- Actively participated in an intensive hands-on workshop focused on R programming concepts, data analysis, and real-world applications.
- Gained practical exposure to data manipulation, visualization, and statistical computing using R.
- Demonstrated active engagement and enthusiasm throughout the workshop sessions.

edX Verified Certificate for Sustainable Development: The Post-Capitalist Order
Certificate Link
Issued: January 15, 2025

- Completed a verified online course focused on sustainable development frameworks and the emerging post-capitalist global order.
- Explored key concepts around global governance, climate change, inclusive economic systems, and the UN Sustainable Development Goals SDGs .
- Instructor: Prof. Jeffrey Sachs, Columbia University

edX Verified Certificate for Climate Change: Carbon Capture and Storage
Certificate Link
Issued: February 28, 2025

- Successfully completed an in-depth course on the science and technology behind carbon capture and storage CCS as a climate change mitigation strategy.
- Covered key topics such as geological CO_2 storage, energy transition technologies, and global CCS implementation.
- Offered by the University of Edinburgh in collaboration with the University of Sheffield.

Certificate of Appreciation for AI Odyssey 1.0 2025
Certificate Link
Issued: March 7, 2025

- Recognized for outstanding efforts in organizing and managing AI Odyssey 1.0, a flagship tech event hosted by Universal AI & Future Technologies School.
- Contributed to event planning, coordination, and seamless execution, demonstrating strong leadership, teamwork, and time-management skills.
- Worked under the mentorship of esteemed faculty and played a key role in ensuring the event's success.

AI Tools and ChatGPT Workshop — be10x
Certificate Link
Issued: November 17th, 2024

- Created engaging presentations using AI in under 5 minutes
- Analyzed data using AI tools in under 30 minutes
- Coded and debugged applications using AI in under 10 minutes

Skyscanner - Front-End Software Engineering Job Simulation
Certificate Link
Issued: April 19th, 2025

- Built a responsive Backpack React web app from scratch
- Applied front-end principles to simulate real-world engineering tasks
- Practiced component-based development and UI logic with React

Mastercard - Cybersecurity Job Simulation
Certificate Link
Issued: April 19th, 2025

- Designed phishing email simulation to test organizational security awareness
- Analyzed and interpreted phishing simulation results for threat insights
- Applied real-world cybersecurity concepts in a virtual workplace setting

Introduction to Generative AI   Google Cloud & Simplilearn SkillUp
Certificate Link
Issued: October 29th, 2025

- Explored the core concepts of Generative AI, including neural networks, large language models, and diffusion models.
- Learned how generative systems create new text, images, and media using advanced machine learning techniques.
- Gained foundational knowledge of Google Cloud's AI tools and ethical considerations in Generative AI applications.

Skills

- C Programming Language)
- Data Analysis
- R Programming Language)
- Statistical Computing
- HTML5
- Cascading Style Sheets CSS
- Responsive Web Design
- JavaScript
- React.js

Projects

CodeMentorAi
Project Link

Built a full-stack platform that analyzes Python code using Pylint and Gemini AI, scores it with a custom DevScore, and provides coaching via real-time feedback. Designed intuitive UI with React & Tailwind; implemented backend in Flask with WebSocket integration for dynamic updates.

KARMAS
Developed a digital health platform enabling secure, portable medical record access for migrant workers. Built multi-view interfaces for patients, doctors, and hospitals using React and Tailwind CSS. Implemented a Node.js/Express backend with Supabase to manage health data, authentication, and record synchronization. Designed workflow to bridge healthcare accessibility gaps between rural and urban regions.

Achievements

Academic Achievements

- Organizer & Graphic Designer at AI Odyssey Universal AI University) – Led event marketing and created promotional content.
- Certified in Climate Change: CarbonCaptureandStorage   – Completed course by EdinburghX (edX).
- Verified Certificate in Sustainable Development – Awarded by SDG AcademyX (edX).
- Currently pursuing B.Tech in AI & ML – Focused on innovation through data and algorithms.

Technical Achievements

- CodeMentorAI   AI Hackathon Project.
Developed during the Code Craft AI x Dev Hackathon by Lablab.ai, CodeMentorAI is an AI-driven Python code review platform. It offers real-time analysis, scoring DevScore), and coaching using Pylint, Novita API, React.js, Flask, and WebSocket integration for a smooth user experience.