

ANJALI SHUKLA

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PROFILE SUMMARY

Aspiring Data Science and Machine Learning enthusiast with a strong technical foundation in Python, Java, and Full Stack Web Development. Proven ability to build effective solutions, demonstrated through projects in AI, IoT, and Web Engineering. Committed to continuous learning and leveraging problem-solving skills to contribute to organizational success.

ACADEMIC DETAILS

CMR Institute of Technology <i>B.E. in Computer Science & Engineering (Data Science) CGPA: 8.86</i>	Bengaluru 2023 – 2027
Sri Chaitanya Techno School <i>Pre-University (PCMB) Grade: 88%</i>	Bengaluru 2021 – 2023
Sri Chaitanya Techno School <i>Class X Grade: 97%</i>	Bengaluru 2016 – 2021

TECHNICAL SKILLS

Languages: Python (Advanced), Java, C, SQL
Web Technologies: HTML, CSS, JavaScript, Flask, Node.js, Express.js
Databases: MySQL, MongoDB
Concepts/Tools: Data Structures & Algorithms (DSA), Machine Learning, Git, VS Code, Oracle Cloud (OCI)

PROJECTS

Study AI Assistant

- Developed a GenAI-powered web application that processes PDF lecture notes to automatically generate summaries, interactive quizzes, and downloadable flashcards.
- Integrated Meta's Llama-3 model via Groq to build a context-aware chatbot that answers student queries strictly based on uploaded course material.
- **Tech Stack:** Python, Streamlit, Groq API (Llama-3), Pandas

Creative Engineers Portfolio (Full Stack Web App)

- Developed a responsive company portfolio website with a modular full-stack architecture.
- Implemented a contact inquiry system with backend validation and database storage.
- **Tech Stack:** MongoDB, Express.js, Node.js, HTML, CSS

Automatic Irrigation System

- Designed an automated irrigation system using Arduino to optimize water usage based on real-time soil moisture data.
- Integrated relay modules and sensors to trigger water pumps automatically, preventing over/under-watering.
- **Tech Stack:** C, Arduino Uno, IoT Sensors

CERTIFICATIONS ACHIEVEMENTS

- **Oracle Cloud Infrastructure 2025 AI Foundations Associate:** Certified in AI fundamentals and cloud infrastructure.
- **NPTEL Elite Certification:** Completed "Programming with Generative AI" (8-week course).
- **HackSense (VIT Vellore):** Qualified for the Pre-Final Round in a team-based problem-solving competition (2025).
- **Tech Accelerate (BITS Pilani):** Participant in the 2025 national hackathon.
- **CSIR-4PI Workshop:** Completed a 5-day intensive workshop on "Data Science: From Theory to Practical Application".

LEADERSHIP CO-CURRICULAR ACTIVITIES

- **Design Head, IDEA Club:** Lead a team to develop creative projects and promotional materials.
- **Society of Women Engineers (SWE):** Member of the social media and editorial team; attended SWE Conference 2025.
- **NCC Cadet:** Actively participated in the National Cadet Corps, developing discipline and teamwork skills.
- **Rotaract Club:** Organized community service events to support local causes.