Radhika Agrawal

India ✉ radhika.05ag@gmail.com 📱 +91 9559336667 in/radhika-agrawal102005

SUMMARY

B.Tech student (CGPA 9.56) passionate about technology, problem-solving, and innovation. Skilled in Python, C, C++, Java, full-stack development (Flutter, React.js), and SQLite. Exploring cloud computing, green cloud, and machine learning. Seeking impactful projects that drive sustainability and energy efficiency.

PROJECT

Green Cloud Optimization Dashboard
Academic project (ongoing)
· Developed a cost & sustainability dashboard using Docker to simulate 3 VMs with local resource tracking.
· Integrated energy models (SPECpower, Beloglazov et al.) to optimize VM energy use with a React.js frontend with filters and control panels.

Flutter-based Education Portal App
Academic project
· Created an app for course tracking, assignment management, and interactive tools with integrated SQLite for secure login/profile data persistence.
· Designed a user-friendly UI tested by 20+ users.

Solar Panel Tracking System
Academic Project for IEEE
· Developed a solar panel tracker with Arduino, dynamically adjusting to optimal sunlight capture.

EDUCATION

B.Tech (Computer Science and Engineering)
Vellore Institute of Technology · Chennai · 2027 · 9.56

12th & 10th
Seth Anandram Jaipuria School · Lucknow · 2023 · 12th- 93.8% , 10th- 99.4%

CERTIFICATIONS

AWS Certified Solutions Architect Associate Course
Udemy · 2025
· Hands-on experience with AWS fundamentals, serverless computing, networking, database management, and cloud security

Java Programming Masterclass (2024)
Udemy · 2024
· Gained proficiency in Java 17 with exposure to Java 8, 11, and upcoming Java 21 features, preparing for Oracle Java Certification and advanced frameworks like Spring and Java EE.

Machine Learning Workshop – RemarkSkill Education
E-Cell, IIT Madras · 2024
· An AIML workshop at IIT Madras, this workshop taught us basics of AIML using Jupyter notebook, specially focusing on data analysis.

INVOLVEMENT

Design Lead
Vellore Institute of Technology · Sangam Club · April 2025 – Present
· Led visual identity and creative direction for events.
· Designed engaging posters and digital assets, increasing major engagement by 30%.

Volunteer Web Content Writer
Chamela Helpdia Charitable Trust · May 2022 – June 2022
· Created technical blogs, raising website traffic by 20%.
· Collaborated effectively in a team environment.

SKILLS

Frontend: HTML, CSS, React, JavaScript, Flutter
Cloud: Docker, OpenStack, AWS
Languages: Java, C++, Python, R, MATLAB
Tools: MySQL, NumPy, TensorFlow, Arduino IDE
Soft Skills: Team Collaboration, Time Management, Communication
Languages: English, Hindi, French (Beginner)