

LALITHA R

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SUMMARY

“Aspiring Computer Science Engineer with a keen interest in full-stack development and AI. Actively learning DSA and building projects, including an AI-based MCQ Grading System. Passionate about creating efficient and scalable applications.”

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science (2027)

Visvesvaraya Technological University (VTU), Karnataka, India

Current CGPA: 9.025 (*Based on first-year results*)

Coursework: C Programming, Python, Object-Oriented Programming with Java, Data Structures & Algorithms, Operating Systems

TECHNICAL SKILLS

Programming Languages: C, Python, Java

Web Development: HTML(*Basics*), JavaScript (*Familiar with React.js*), Flask

Database Management: *Familiar With MySQL, Firebase*

Development Tools: VS Code, Git, GitHub, Vercel, Render, Eclipse, Netbeans

Operating Systems: Windows, Linux (*Ubuntu*)

CS Fundamentals: DSA(*Basics*), Object-Oriented Programming, Operating Systems

PROJECTS

Smart Agriculture System (*DDCO*)

- Designed an **IoT-based system** to monitor **soil moisture, temperature, and humidity**.
- Developed using **Arduino Nano** with **Soil Moisture Sensor, DHT11 Sensor, and Rain Sensor** for real-time environmental tracking.

AI-Based MCQ Grading System (*Invoked 4 Hackathon*)

- Developed an **AI-powered automatic grading system** for MCQs using **React.js and Flask**.
- Integrated **AI-based grading logic** to automate answer evaluation

Student Result Database System (*DBMS*)

- Developing a **secure student result management system** using **Python, Flask, and SQLite**.
- Implemented **role-based authentication** and **dynamic result generation**.

Portfolio Website

A fully responsive personal portfolio to showcase my skills and projects.

Link: <https://43200.github.io/portfolio/>

CERTIFICATIONS

- Python & Flask Framework, HTML Essentials – [Udemy]
- Google Cloud Computing Foundations (GCCF) Certification – [Google Cloud Skills Boost]
- Google Cybersecurity Certificate (Ongoing) – [Google Cloud Skills Boost]
- Fundamentals of C Language: Getting Started – [Infosys Springboard]
- Programming Fundamentals: Introduction to Programming – [Infosys Springboard]

SOFT SKILLS

- Teamwork (Hackathon experience)
- Problem-solving (Debugging full-stack issues)
- Time management (Balancing studies & projects, and learning new skills)