Poojitha J N

Computer Science Engineering
UG Third Year

Female
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EDUCATION

Year	Affiliation	Institute	Examination	CPI/%
2026(expected)	VTU	K S Institute Of Technology	Graduation	8.90
2022	STATE	Sadhana PU college	Intermediate	86.7%
2020	CBSE	The J.H.S School	10th	78.9%

TECHNICAL SKILLS

Programming and Software: C, Python, HTML, CSS, JavaScript ,Java. DSA, JDBC

Courses taken: Introduction to Machine learning, Java AWT with Projects and Case Studies, Programming Fundamentals using Python, Java Hibernate, MySQL Database Development: Database Design Fundamentals, Data Structures and Algorithms .

Strengths and Interests: Programming and coding, Problem-solving, Self- discipline, Adaptability, Openness to feedback, Team management.

PROJECTS

ThermoScan AI – Breast Cancer Screening And Support (ongoing)
- Developing a machine learning-based diagnostic tool for early detection of breast cancer using thermographic imaging
- The system identifies abnormal heat patterns in thermal scans and provides emotional support resources for patients
- **Technology used**: Python, TensorFlow, OpenCV, Scikit-learn, Flask

Captcha Generator
- Built a desktop application to generate and validate Captcha's for login forms to enhance security.
- Applied Java Collections for dynamic Captcha generation and integrated user input validation
- **Technology used :** Java, Swing, Java Collections Framework

Smart Parking System
- Developed a smart parking prototype using Arduino, sensors, and a Wi-Fi module to detect and indicate real-time parking slot availability.
- Designed a website interface to simulate user interaction, such as viewing available slots and
- **Technology used**: Arduino, Ultrasonic Sensors, ESP8266 Wi-Fi Module, HTML, CSS, JavaScript.

Farm Management system
- Created a database-driven application to streamline various farm operations like crop management
- Ensured efficient data retrieval and reporting by designing normalized schemas and implementing SQL queries
- **Technology used**: MySQL, SQL, PHP, HTML/CSS, XAMPP

EXTRACURRICULARS

- NSS Volunteer – Actively contributed to social service programs such as awareness drives and social works
- Completed a 5-kilometer marathon promoting fitness and public awareness.
- Collaborated with peers to script, direct, and edit a 10–15 minute short film showcasing the value of teamwork.
- Participated as part of a team in the International Conference on Recent Innovation in Engineering Science and Technology
- Team-led publication of a survey paper titled "Thermo Scan AI for Breast Cancer Detection", published on Google Scholar.