

APARADHA ROHITH

Aspring Software Developer

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SUMMARY

Recent Computer Science graduate (2025) skilled in Java, Python, HTML5, Data Structures, and Algorithms. Experienced in team-based software projects with expertise in biometric authentication, IoT protocols, and MySQL databases. Proven ability to design, develop, and implement secure, innovative solutions while collaborating effectively in diverse team environments.

EDUCATION

Bachelor of Technology in Computer Science Engineering

Dec 2022 – June 2025

Avanthi Institute of Engineering and Technology, Hyderabad

Diploma in Electrical and Electronics Engineering

April 2019 – June 2022

Government Polytechnic, Husnabad

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript
- **Web Development:** HTML5, CSS3
- **Operating Systems:** Windows, Linux
- **Database Management Systems:** MySQL
- **Tool & Technologies:** Pycharm, GitHub, Visual Studio Code
- **Core CS Concepts:** Data Structures & Algorithm
- **Others:** Problem Solving, Software Development Life Cycle (SDLC)

PROJECTS

FINGERPRINT-BASED ON ATM SYSTEM | Team Leader

- Led a 4-member team to design and implement an ATM security system integrating biometric authentication (fingerprint & facial recognition) using Python.
- Replaced traditional PIN authentication with OTP-based verification using IoT protocols, improving transaction security and user convenience.
- Developed a Python GUI for customer interaction and utilized MySQL for secure storage and validation of biometric data and transaction records.
- Implemented multi-level authentication to prevent unauthorized access; system automatically blocks accounts after 3 invalid attempts.
- Integrated vibration sensors to detect physical tampering and trigger automated security measures, including door locking and gas release.

CERTIFICATIONS

- Attained PGDCA – Human Resource Development Society

