

MATAM ROHITH

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Education

SR University, Bachelor of Technology in Computer Science

Nov 2022 – Apr 2026

- GPA: 8.00/10.0
- **Coursework:** Computer Architecture, Machine Learning, Data Structures, Design and Analysis of Algorithms, Object Oriented Programming, Operating System, Network Security, Data Mining, C, Python, Java

Experience

AICTE Internship

April 2024 – June 2024

- Executed multiple network security assessments during the internship, identifying and mitigating 15+ vulnerabilities across systems, resulting in a significant reduction of potential threats and enhancing overall network integrity.
- Completed a comprehensive Network Security Associate Internship, implementing security protocols that improved incident response times by 40 percentage and provided hands-on experience with industry-standard tools like Wireshark.

Technical Skills

Languages: C, Python, Java.

Tools & Frameworks: Visual Studio

Web Programming: HTML, CSS, JavaScript.

DataBases: SQL, MYSQL, MongoDB.

Domain Knowledge: Machine Learning, web development

Projects

Cancer Prediction | Python

April-2024

- Developed and implemented a machine learning-based cancer prediction model that improved early detection rates, aiding in timely medical intervention.
- Engineered a deep learning model that analyzed patient medical records, lab results, and imaging data to predict cancer with high accuracy, leading to a 35
- Designed and deployed a feature extraction pipeline to process vast amounts of medical data, reducing the time required for model training and improving prediction efficiency.
- Implemented a personalized prediction algorithm that adjusts based on individual patient profiles, ensuring tailored recommendations for treatment and follow-up care.

Smart Parking System | Arduino-UNO, IR Sensors, Servo Motor, LCD

Jul-2023

- Developed a fully functional Smart Parking System within 4 weeks.
- Utilized sensors and Arduino to automate the parking process.
- The entry gate of the parking slot opens when there is an empty space.
- Slot details (empty or filled) are displayed on the LED display for easy navigation to available spaces.

Bank Management System | C

Jan 2022

- Created a sophisticated Bank Management System featuring automated account creation and transaction tracking, resulting in seamless integration with existing systems; utilized by over 15 customer service representatives daily for enhanced productivity.
- Developed and implemented account opening, deposit, withdrawal, and balance inquiry functions within the new Bank banking system. The system reduced the average transaction processing.

- Improved and advanced file management system that enables persistent management of customer data and reduces data redundancy.
- Created a user-friendly, menu-driven interface that simplifies navigation and enhances user experience, making it accessible for users with varying technical proficiency.

Achievements

- Successfully led a team to develop a cancer prediction using Python.
- Participated in a hackathon conducted by SR University.

Certifications

Microsof Certified: Azure Fundamentals.	March 2024
Google Certified: Foundations of Cybersecurity.	March 2024
Cisco Certified: Introduction to networks.	March 2024
Fortinet Certified Fundamentals Cybersecurity	February 2024
Introduction to Cloud Computing	April 2024
AWS Academy Graduate - AWS Academy Cloud Foundations	August 2024
AWS Academy Graduate - AWS Academy Cloud Architecting	August 2024