

# ANJANA SATHWIKAREDDY DEPA



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22 - 05 - 2003



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## EDUCATION

### Sreenidhi Institution of Science and Technology

2021 - 2025

Electronics and Communication Engineering - 83.7%

### Sri Chaitanya Junior College

2019 - 2021

MPC - 95.2%

### Sri Chaitanya School

2018 - 2019

High School - 95%

## EXPERIENCE

### Amazon(AWS) Intern

Jan 2023- Mar 2023

- Cloud Foundations and Machine Learning

### Palo Alto Networks Intern

Jul 2023- Sep 2023

- Palo Alto is a cybersecurity company providing advanced solutions like next-gen firewalls and cloud-based security services to protect organizations from cyber threats.

### Cisco Intern

Oct 2023- Dec 2023

- Cisco Internship focuses on practical experience with networking fundamentals, routing, switching and wireless essentials.

## PROJECTS

### Lung Cancer Stages Detection using Machine Learning and Python

- Built a **machine learning** model using Random Forest, SVM, and CNN in Python to detect lung cancer from lung scan images with high accuracy.
- Applied image segmentation, feature extraction, and data preprocessing techniques to improve prediction of malignant lung tissues.

### Automatic Number Plate Detection MATLAB

- Developed an automatic number plate detection system using **MATLAB**, utilizing image processing techniques such as edge detection, morphological operations, and segmentation for real-time license plate extraction.
- Integrated character recognition and logging for accurate and efficient plate identification.

### Cyberthreat Detector using Python

- Developed a **cyberthreat detection system** using Python, leveraging packet analysis with Scapy and **intrusion detection algorithms** to monitor and identify security threats in real-time.
- Applied **machine learning** techniques for anomaly detection and integrated features like logging, alert mechanisms, and **data visualization** to enhance threat management and reporting.

## CERTIFICATION

### Web Development: HTML, CSS and Javascript, Udemy

- Developed build responsive, interactive websites.

### Cisco Packet Tracer, Workshop

- Understanding of Routing and Switching Concepts in Data Communication and Networking.

## SKILLS

**Courses:** Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks.  
**Languages:** Java, C, Python, SQL, HTML, CSS, JavaScript.  
**Frameworks/Libraries:** NumPy, Pandas, Matplotlib.