



# AMULYA DUDEKULA

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## CAREER OBJECTIVE

Detailed-oriented and results-driven Artificial Intelligence and Machine Learning undergraduate with hands-on experience in network security, cloud computing, and Python automation. Proven ability to develop scalable AI systems, secure applications, and data-driven solutions. Actively pursuing opportunities to contribute to network-centric innovation and automation at Cisco Ideathon.

## WORK EXPERIENCE

### Research Intern, IIITDM Kurnool

May 2025 - Present

- Designing a multi-lingual legal chatbot using Retrieval-Augmented Generation (RAG) and MCP to provide case-specific and legal guidance, making legal knowledge accessible to the public.
- Integrating cutting-edge LLM technologies to develop a user-friendly interface that delivers accurate, multi-lingual responses, enhancing public understanding of Indian law through AI-driven insights.

## PROJECTS

### Safe Link: Phishing Email Detection & Reporting System

[Link](#)

- Tools Used:** Python, DistilBERT, LLMs, Next.js, Vercel
- Engineered an email phishing detector achieving 98% precision using a fine-tuned DistilBERT NLP model.
- Modeled behavior similar to Cisco Secure Email Threat Defense through email header analysis, deployed a threat analysis frontend with LLM-generated risk scores and user reports.

### AyurGuru: AI-Powered Ayurvedic Platform Using Machine Learning

[Link](#)

- Tools Used:** Python, GroQ API, LLMs, Next.js, HTML,CSS
- Developed an AI/ML-driven system using GroqAPI and Llama-based LLMs to automate Prakriti assessment, replacing manual consultations with an accurate, real-time AI-powered platform.
- Designed a personalized recommendation engine leveraging advanced AI models to provide precision diet, lifestyle, and wellness suggestions based on Ayurvedic principles, enhancing accessibility and consistency

## EDUCATION

### B.Tech in Artificial Intelligence and Machine Learning

Sep 2022 - May 2026

Malla Reddy Engineering College for Women CGPA: 9.25/10

Aug 2020 - May 2022

### Intermediate

Sri Chaitanya Junior College Marks: 984/1000

March 2020

### Secondary School

Rahul Vignan Vidyalayam GPA: 10/10

## SKILLS

- Networking:** TCP/IP, OSPF, DNS, DHCP, VPN, VLAN, Cisco Packet Tracer, Network Security, IDS/IPS
- Programming:** Python, Java, C, SQL, REST APIs, Git, HTML, CSS, Next.js
- AI/ML & Security:** NLP, LLMs, OpenCV, RAG, Cybersecurity Fundamentals, Email Threat Defense
- Cloud & DevOps:** AWS Services (EC2, S3, Lambda), Cloud Networking, Vercel, DevOps Basics
- Soft Skills:** Communication, Problem Solving, Team Collaboration, Leadership

## CERTIFICATIONS

- CCNA-Cisco Certified Network Associate
- Programming essentials in python(PCAP) by Cisco
- Introduction to Cyber Security by Cisco
- EDA for Machine Learning by IBM
- Oracle Generative AI Professional
- Artificial Intelligence Foundation by Infosys

## ACHIEVEMENTS

- Awarded First Prize in GenAI Hackathon Organised by SmartBridge. We Built CoutureAI, an AI-powered fashion visualization tool for realistic clothing generation from text.
- Won First Prize in AI Novice in Medha 2024 organized by MRECW, showcasing advanced technical expertise and innovative project development.