

PALA NAGALAKSHMI

Computer Science Undergraduate

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CAREER OBJECTIVE

A highly motivated and detail-oriented Computer Science undergraduate passionate about artificial intelligence, cybersecurity, and full-stack development. Seeking an opportunity to apply technical and analytical skills in real-world projects while fostering personal and professional growth in a dynamic environment.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B. Tech (CSE)	Vignan's Nirula Institute of Technology and Science	8.89	Oct 22 – June 2026
Senior Secondary	Vikas Junior College	84.6	Dec 20 – May 2022
Secondary	ZP High School, Vellatur	9.3	June 19 – Mar 2020

PROJECTS

Secure Scripts AI System

- Developed a document security platform integrating AES encryption, steganography, OTP, and biometric authentication to prevent unauthorized access.
- Enabled 100% secure access to confidential documents through AES encryption, biometric verification, and steganography for over 100 test cases.

Vision Pong - Gesture-Controlled Game

- Developed an interactive gesture-based game with 90% hand detection accuracy using OpenCV.
- Tools:** Python, OpenCV, HTML, CSS

INTERNSHIPS

Machine Learning Intern – Purple Technologies

June 2024 – July 2024

Campus Placement Prediction

- Aimed to improve campus recruitment strategies by building a machine learning model that predicted student placements with **98%** accuracy.
- Tools:** Python, Scikit-learn, Pandas, Matplotlib, Seaborn, HTML, CSS

Data Analyst Intern – IBM SkillsBuild

May 2024 – June 2024

Sentiment Analysis on Restaurant Reviews

- Performed sentiment analysis on reviews to assess service quality, achieving **90%** accuracy.
- Tools:** Python, Machine Learning, HTML, CSS

SKILLS

Technical Skills

- Programming Languages:** Python, Java, HTML, CSS, JavaScript
- Database & Core Subjects:** MySQL, Operating Systems

Soft Skills

- Leadership, Problem-Solving, Time Management, Communication, Logical Thinking.

RESEARCH PUBLICATION

"Load Balancing and Virtual Machine Migration Model for Delay Reduction in Cloud Environment"

[\[Read Paper\]](#)

- Published in **JETIR**, Volume 11, Issue 10 (UGC Journal No: 63975); downloaded over 100 times.

CERTIFICATIONS

- NPTEL:** Joy of Computing Using Python (Score: 60) and Programming in Java (Score: 60)
- edX:** Data Science with Python
- Infosys Springboard:** Python, Java.