

Nagalakshmi Pala (She/ Her)

+91-8309630920

B. Tech – (2022-2026)
Computer Science and Engineering
nagalakshmipala3@gmail.com

[LinkedIn](#)
[GitHub](#)
[Portfolio](#)

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 School	ZP High School, Vellatur	9.3	June 19 – Mar 2020

PROJECTS

Secure Scripts AI System [\[GitHub\]](#)

- Built a document security platform integrating AES encryption, steganography, OTP verification, and biometric authentication to prevent unauthorized access.
- Achieved 100% secure access for over 100 test cases by combining AES encryption, biometric verification, and steganography.

Vision Pong - Gesture-Controlled Game [\[GitHub\]](#)

- Developed an interactive gesture-based game with 90% hand detection accuracy using OpenCV.
- Utilized Python, OpenCV, HTML, and CSS to create an engaging, real-time gaming experience.

INTERSHIPS

Machine Learning Intern – Purple Technologies June 2024 – July 2024

Campus Placement Prediction [\[GitHub\]](#)

- Built a machine learning model to improve campus recruitment strategies by predicting student placements with 98% accuracy.
- Applied Python, Scikit-learn, Pandas, Matplotlib, Seaborn, HTML, and CSS for end-to-end model development and analysis.

Data Analyst Intern – IBM SkillsBuild May 2024 – June 2024

Sentiment Analysis on Restaurant Reviews [\[GitHub\]](#)

- Performed sentiment analysis on restaurant reviews to assess service quality, achieving 90% prediction accuracy.
- Leveraged Python, machine learning algorithms, HTML, and CSS to build an interactive analysis tool.

SKILLS

Technical Skills

- Programming Languages:** Python, Java and C.
- Web Technologies:** HTML, CSS, JavaScript, Django, Streamlit.
- Database & Core Subjects:** MySQL
- Core Subjects:** Operating System, Computer Networks.

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.

CERTIFICATES

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