LAVANYA BETHINA

B Tech -Computer Science and Engineering
Gayatri Vidya Parishad College of Engineering(A)

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EDUCATION

DEGREE	INSTITUTE/BOARD	CGPA	YEAR
Bachelor of Technology	Gayatri Vidya Parishad College of Engineering(A)	9.01/10(current)	2022-present
Senior Secondary	Board of Intermediate Education (BIEAP)	98%	2022
Secondary	Andhra Pradesh Board of Secondary Education	100%	2020

WORK EXPERIENCE

1. **Naresh I Technologies**　　　　　　　　　　　　　　　**May 2025 - Jun 2025**
   Machine Learning Internship　　　　　　　　　　　　　　Remote
   - Boosted model accuracy by 15% ($R^2 = 0.92$) via feature engineering and hyperparameter tuning.
   - Automated 20% faster data preprocessing using Scikit-learn pipelines.
   - Deployed ML models with Flask and Chart.js dashboards for real-time analytics.

2. **View Info Technologies**　　　　　　　　　　　　　　**May 2024 - Jul 2024**
   Web Development Intern　　　　　　　　　　　　　　　　Remote
   - Built responsive web pages, increasing user engagement by 12%.
   - Reduced page load time by 18% through code optimization and asset compression.
   - Automated UI testing, cutting bug resolution time by 25%.

PROJECTS

1. Network Traffic Analyzer　　　　　　　　　　　　　**May 2025 - Jun 2025**
Self Guided
- Developed a real-time packet analyzer using Scapy and Flask to capture and visualize live network traffic.
- Integrated Chart.js dashboards for protocol statistics, interface selection, and CSV export with dark/light mode toggle.
- Designed a responsive UI with persistent state management for seamless user experience.

2. Cipher Tool – Web Cryptography Utility　　　　　　**May 2024 - Jul 2024**
Self Guided
- Built an interactive web app to encrypt/decrypt text using classical ciphers (Caesar, Vigenère, Playfair).
- Implemented real-time processing, algorithm visualization, and dynamic theming for user customization.
- Optimized for mobile-first design with a clean, intuitive interface.

3. House Price Predictor　　　　　　　　　　　　　　**May 2024 - Jul 2024**
Self Guided
- Engineered a machine learning model with 92% accuracy using Scikit-learn (feature engineering, hyperparameter tuning).
- Deployed via Flask with interactive dashboards (Chart.js) to visualize housing trends and predictions.
- Designed a Bootstrap-powered UI for easy input and result interpretation.

TECHNICALSKILLS

1. **Programming Languages:**
   - C/C++, Python* (Proficient), SQL, Java, JavaScript
2. **Web Development:**
   - HTML, CSS, JavaScript,Node.js, Flask,MySQL
3. **Cybersecurity Tools:**
   - Wireshark, Nmap, Burp Suite, Kali Linux, Metasploit

MISCELLANEOUS

- MSME Hackathon 4.0 - Top 1% selection (1 of 488 teams) for ₹15L funded project　　2025
- Gold Medalist in 400m Relay Race, Annual Sports Meet　　2024
- Secured State Rank 1615 in EAPCET　　2022
- President, Association of Computer Intellects (AsCI)　　Oct 2024 - Present
- Vice Chairman, Women in Engineering - IEEE SB GVPCE　　Jun 2024 - Present
- Branch Coordinator (CSE), National Service Scheme　　Mar 2025 - Present
- Class Representative　　Oct 2022 - Present