

LAVANYA AMARA

Vishakhapatnam, Andhra Pradesh

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Education

Anil Neerukonda Institute of Technology and Sciences <i>Bachelor of Technology in Computer Science and Engineering</i>	Sep. 2022 – May 2026 <i>CGPA: 9.56/10</i>
Sri Viswa Junior College <i>Senior Secondary Education, BIE-AP</i>	Jun. 2020 – Aug. 2022 <i>Percentage: 98.1%</i>
Ravindra Bharathi School <i>Secondary Education, SSC Board</i>	Jun. 2019 – May 2020 <i>Percentage: 99.67%</i>

Experience

ML Engineer, Edunet Foundation-AICTE <i>Artificial Intelligence and Machine Learning</i>	Jun. 2025 - Jul. 2025 GitHub
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- Completed training sessions on core concepts of Artificial Intelligence and Machine Learning.
- Developed a comprehensive Employee Salary Prediction web application capable of estimating salaries for **1000+ employees** with **92% accuracy** using Random Forest, providing a user-friendly interface.
- Tech Stack: Python, Pandas, NumPy, scikit-learn.

Projects

College Management System MERN Stack	GitHub
<ul style="list-style-type: none">Designed a robust full-stack web platform enabling role-based access for Admins, Faculty, and Students to manage academic details, notices, and study materials efficiently.Optimized database architecture and API structure, significantly improving data retrieval and user interactions by 40%, ensuring smooth scalability.	
Movie Review Platform Flask, JavaScript, SQLite	GitHub
<ul style="list-style-type: none">Built a dynamic review platform where users can post, like, and comment on books/movies, with secure authentication ensuring one user-one account.Designed a responsive and interactive user interface using HTML/CSS/JS and optimized SQLite queries, improving review retrieval speed by 30%.	

Technical Skills

Programming Languages: C/C++, Python, HTML/CSS, JavaScript, SQL
Development: Flask(familiar), MERN Stack
Databases: MySQL, MongoDB (familiar)
CS Subjects: Data Structures and Algorithms, OOPs, Operating Systems, Computer Networks, DBMS
Machine Learning: Familiar with NumPy, Pandas, Scikit-Learn, and standard ML models/concepts

Certifications & Coursework

CS50x: Introduction to Computer Science — **Harvard University**
CS50P: Introduction to Programming with Python — **Harvard University (edX)**
Supervised Machine Learning: Regression and Classification — **Coursera, DeepLearning.AI**
The Bits and Bytes of Computer Networking — **Coursera, Google**
The Complete 2024 Web Development Bootcamp — **Udemy**

Achievements

- Solved 350+ problems on LeetCode.
- Secured **1st place** in Placement Drill conducted by Medi-Caps University, Madhya Pradesh.
- Attended and actively participated in multiple hackathons and technical workshops, developing practical coding skills, and gaining hands-on experience.
- Qualified for Amazon ML Summer School 2025 – Selected among the top 3,000 candidates from 60,000+ applicants across India.

Coding Profiles

- LeetCode: /u/lavanyaamara
- HackerRank: /profile/lavanyaamara746