

# GURRAM VENKATA LAKSHMI SRAVANTHI

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## Education

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- **B.Tech in Computer Science** – VIT-AP University, Amaravati *July 2022 – present*  
CGPA: 9.36
- **Intermediate (MPC)** – Sri Chaitanya Junior College, Vijayawada *June 2020 – May 2022*  
Percentage: 98.1%, JEE Percentile: 95.2

## Skills

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- **Programming Languages:** Java, SQL, Python
- **Problem Solving:** Data Structures and Algorithms, Low-Level Design
- **Computer Fundamentals:** OOP, DBMS, Computer Networks, Operating Systems
- **Tools:** AWS, Git, Github, IntelliJ IDEA
- **Technologies :** HTML, CSS, JavaScript, Scikit-learn, Pickle, TensorFlow, Pandas, Matplotlib, Flask

## Projects

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### Adaptive Learning based Cyberthreat Detection *March–June 2025*

- Built a real-time ML pipeline for cyber threat detection on FarmFlow and Edge IoT streaming data, using SMOTE balancing and ZOOFS feature selection, achieving 99.96% accuracy with adaptive River models.
- Devised a UCB-Tuned ranking algorithm with a custom reward metric to smartly select models, balancing top accuracy with ultra-low latency.

### ShoppingWebsite Deployment on AWS *Nov 2024*

- Deployed a production-ready web app on AWS using EC2 (compute), S3 (storage), Route53 (DNS), and CloudFront (CDN). Focused on scalability, fault tolerance, and real-world performance.

### Doctor's Liver Assistant: Intelligent Lab Report Analysis *July–Aug 2024*

- Built an interactive Python web application leveraging Flask, seamlessly integrating a SVC-based liver disease prediction model in Scikit-learn with a 10% accuracy boost via hyperparameter tuning.
- Utilized Pandas and NumPy for data preprocessing and crafted a responsive front-end using HTML, CSS, and JavaScript for real-time patient predictions.

## Certifications

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- **AWS Certified Cloud Practitioner** *June 2025*
  - Gained foundational knowledge of AWS Cloud, including core services such as EC2, S3, EBS, Load Balancers, AutoScaling and CloudWatch; network components like VPC, Subnets, Security Groups, and NACLs; and essential security and access control with IAM.
- **AI using Google TensorFlow** – SmartInternz *June - Aug 2022*
  - Acquired practical experience in developing and training machine learning, Deep Learning models using TensorFlow, including data preprocessing and model evaluation.

## Extra-Curricular And Leadership Skills

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- Led a team for the Engineering Clinics project: *Footstep Power Generator*, managing project timelines and fostering effective teamwork.
- Organized and actively participated in cultural and student engagement activities as a member of Kalki, a non-technical club.
- Served as a Student Coordinator for the Top Coders Test, ensuring the effective and well-organized execution of the event.
- Solved **400+ coding problems on LeetCode** and earned 8 achievement badges, demonstrating strong problem-solving and algorithmic skills.