

# SRIYA KOTAGIRIWAR

Software Engineer | Full-stack Developer | ML engineer  
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[Linkedin](#) | [LeetCode](#) | [GitHub](#) | [HackerRank](#)

## ABOUT

Results-oriented Computer Science Engineer (CGPA 9.87) with strong foundations in Python, Java, machine learning, and full-stack development. Built and deployed systems serving 200+ users, developed ML pipelines with measurable improvements, and worked extensively with data preprocessing, model training, and performance optimization. Skilled in SQL and version control. Passionate about ML, analytics, and solving real-world problems through data-driven engineering.

## EDUCATION

**Chaitanya Bharathi Institute of Technology**  
B.E. Computer Science and Engineering ( CGPA: 9.87)

Gandipet, Hyderabad  
Nov 2022 – Present

## RELEVANT COURSE WORK

Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems, Machine Learning, Object oriented programming

## TECHNICAL EXPERIENCE

**Stack Junior | Full-stack Development Intern** Mar–Jun 2025  
Developed AI-integrated Spaced Repetition Learning System with FastAPI + React, used by 200+ users. Designed SQLAlchemy ORM models and optimized database queries achieving 40% faster retrieval. Applied ML-based similarity checks to reduce duplicate question generation by 85%. Integrated version control workflows (Git/GitHub) and collaborated on API design and modular backend architecture. Performed data processing and evaluation for spaced-learning analytics to enhance user learning outcomes.

## TECHNICAL SKILLS

Programming Languages:	Python, Java (Basic)
Tools and Frameworks:	Scikit-learn, FastAPI, React, REST APIs, Git, GitHub, VS Code
ML Skills:	Supervised & unsupervised learning, preprocessing, model training, NLP basics, Pandas, NumPy, Matplotlib
Database Systems:	MySQL, MongoDB, SQL
Other:	Data visualization, ML evaluation metrics, problem solving (800+ LeetCode)

## KEY PROJECTS

**Lead Conversion Prediction - ExtraaLearn** (Model) *Pandas, Scikit-learn, Machine Learning*  
Built an end-to-end ML pipeline for 4,000+ leads achieving 86% accuracy. Improved recall by 21% through data cleaning, feature engineering, and threshold tuning. Implemented preprocessing workflows handling 15+ attributes, visualization, and model comparison.

**GloNaVox - Multilingual Translation System** (GitHub) *Python, SpeechRecognition gTTS*  
Developed an NLP-based translation system supporting 50+ languages. Designed modular pipelines for real-time and batch translation. Worked with cloud APIs (Google Cloud Translate) and audio preprocessing.

**AI Spaced Repetition Web App** *React, FastAPI, MySQL, Gemini API*  
Architected full-stack system serving 200+ students. Integrated ML-driven question generation with duplicate detection algorithms. Performed backend performance tuning through indexing and optimized schema design.

**Email Process Automation System** (GitHub) *Python, smtplib, TCP/IP protocols*  
Automated bulk email operations with scheduling, templating, and contact management features. Applied systems-level programming using SMTP protocol and TCP/IP communication

## LEADERSHIP & RECOGNITION

- **Chair, IEEE Computer Society CBIT** – Led technical events and cross-team engineering activities.
- **Academic Excellence:** JEE Mains 98.5 percentile, EAMCET Rank 477, 2 Merit Awards.
- Solved 800+ problems on LeetCode and ranked 5-star in HackerRank (Python & Problem Solving).

## PROFESSIONAL CERTIFICATIONS

- **Software Engineer Intern** – HackerRank
- **Python Young Professional** – Infosys Springboard
- **Python Programming** – HackerRank