

# SRIYA KOTAGIRIWAR

Software Engineer | Full-stack Developer | ML engineer  
sriyakotagiriwar@gmail.com | 9182964515 | Hyderabad, Telangana  
[Linkedin](#) | [LeetCode](#) | [GitHub](#) | [HackerRank](#)

## ABOUT

Results-driven Computer Science Engineer (CGPA 9.87) experienced in translating research ideas into production-ready MVPs. Built scalable FastAPI-based systems, and optimized ML pipelines improving performance by 21–85%. Strong in debugging, backend design, and rapid prototyping.

## EDUCATION

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

Gandipet, Hyderabad  
Nov 2022 – Present

## RELEVANT COURSE WORK

Machine Learning, Deep Learning Fundamentals, Distributed Systems, Database Systems, Computer Networks, Operating Systems, Data Structures & Algorithms

## TECHNICAL EXPERIENCE

### Stack Junior | Full-stack Development Intern

Mar–Jun 2025

- Designed AI-driven learning workflows integrating Gemini LLMs to generate and optimize content, achieving 85% reduction in duplicate questions.
- Developed scalable backend services in FastAPI with SQLAlchemy ORM, using indexing .
- Built end-to-end AI MVP (algorithm + backend + UI) used by 200+ users, converting ML logic into reliable production-grade features.

## TECHNICAL SKILLS

Core programming skills:	Python, Java (Basic), API Design, System Design (Basics)
AI/ML Engineering:	LLM integration (Gemini API), model evaluation, threshold tuning, similarity detection models, feature engineering, ML pipeline optimization, basic knowledge of quantization & distillation.
Backend & Deployment:	FastAPI, SQLAlchemy, REST API design, microservice-ready architecture.
Data & Databases:	MySQL (query optimization, indexing), MongoDB.

## KEY PROJECTS

### AI Spaced Repetition Web App

*React, FastAPI, MySQL, Gemini API*

Architected and deployed a personalized study platform serving 200+ users. Integrated Gemini AI for intelligent question generation and designed SQLAlchemy ORM models achieving 40% faster queries. Converted research-backed spaced repetition methodology into a deployable AI MVP with LLM integration and optimized backend design.

### GloNaVox - Multilingual Translation System (GitHub)

*Python, SpeechRecognition gTTS*

Built scalable speech translation system with four operational modes supporting real-time and recorded input processing. Implemented clean, modular architecture with API integrations for enterprise-level translation services

### Email Process Automation System (GitHub)

*Python, smtplib, TCP/IP protocols*

Automated bulk email operations with scheduling, templating, and contact management features. Designed system-level automation using SMTP + TCP/IP to convert manual workflow into a production-quality tool.

### Lead Conversion Prediction - ExtraaLearn (Model)

*Pandas, Scikit-learn, Machine Learning*

Developed ML solution for business process optimization, improving lead conversion prediction accuracy to 86%. Implemented data preprocessing, model training, and performance tuning to solve real business challenges. Improved ML model recall by 21% through data-driven threshold tuning.

## LEADERSHIP & RECOGNITION

- **Chair, IEEE Computer Society CBIT** – Led technical events and cross-team engineering activities.
- **Academic Excellence:** JEE Mains 98.5 percentile all over India, EAMCET Rank 477 all over Telangana, 2 Merit Awards in engineering.
- 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