

# 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) with hands-on experience in full-stack and ML application development. Built production-grade systems serving 200+ users and automated workflows saving 95% manual effort.

## 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  
Built AI-integrated Spaced Repetition Web App using FastAPI and MySQL, improving query speed by 40% through optimized database indexing and caching. Automated personalized learning workflows via Gemini AI, reducing duplicate content by 85% and enhancing user retention.

## TECHNICAL SKILLS

Programming Languages: Python, Java (Basic)  
Tools and Frameworks: FastAPI, React, REST APIs, Git, GitHub, VS Code  
Operating Systems: Linux, Windows  
Database Systems: MySQL, MongoDB, SQL query optimization

## 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.

**GloNaVox - Multilingual Translation System** (GitHub) *Python, SpeechRecognition gTTS*  
Built scalable speech translation system with four operational modes supporting real-time and batch 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.  
Applied systems-level programming using SMTP protocol and TCP/IP communication

**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** - Leading technical initiatives and engineering event coordination
- **Academic Excellence** - TS EAMCET Rank 477, JEE MAINS Percentile 98.5%, Two Merit Certificates for engineering excellence
- Solved 700+ problems on LeetCode demonstrating strong algorithmic problem-solving skills

## PROFESSIONAL CERTIFICATIONS

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

*Ready to contribute to Google's internal business applications development and enterprise solution implementation*