

Gurruprasaath M K

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Portfolio — GitHub — LinkedIn — LeetCode

PROFESSIONAL SUMMARY

Software Engineering student with strong foundations in **Data Structures, Algorithms, and Object-Oriented Programming**. Experienced in building scalable backend systems and full-stack applications through internships and real-world projects. Comfortable working in fast-paced, ambiguous environments.

EDUCATION

Kongu Engineering College, Tamil Nadu
B.Tech in Artificial Intelligence & Data Science
CGPA: 8.19 / 10 (Till 4th Semester)

2023 – 2027

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript
Core CS: Data Structures, Algorithms, OOP
Backend: FastAPI, Node.js, REST APIs
Frontend: React, HTML, CSS
Databases: MySQL, MongoDB
Tools: Git, GitHub, VS Code, Jupyter Notebook
Deployment: Render, Vercel

PROBLEM SOLVING

- Solved **250+ DSA problems** on LeetCode covering arrays, hashing, trees, graphs, sliding window, and recursion.
- Strong understanding of algorithm design and complexity analysis.

WORK EXPERIENCE

PunchBiz Jun 2025 – Present
Full Stack AI Intern

- Designed and implemented scalable **RESTful APIs** using FastAPI for an AI-driven mock interview platform.
- Built end-to-end features integrating backend services with React frontend, supporting concurrent user work-flows.
- Collaborated in an agile team environment, contributing to system design discussions and code reviews.
- Ensured modular, maintainable code while integrating external AI services.

PROJECTS

Voice Controlled IDE GitHub

- Built a voice-driven coding environment enabling hands-free development using speech-to-text and AI-based code generation.
- Designed backend APIs to process real-time voice commands and return optimized code suggestions.
- **Tech:** Python, FastAPI, Whisper, React, MongoDB

AI Study Buddy GitHub

- Developed a backend system to generate MCQs and structured study content from documents.
- Implemented efficient data pipelines using JSON-based storage and API-driven architecture.
- **Tech:** Python, FastAPI, React, MongoDB

AI Call Intelligence GitHub

- Built a call analysis system with transcription, sentiment scoring, and automated summaries.
- Designed APIs to handle audio processing and asynchronous request handling.
- **Tech:** Python, Node.js, Whisper, React, MongoDB

ACHIEVEMENTS & ACTIVITIES

- Winner – **1st Place**, Blind Coding Contest (MADC)
- **3rd Place**, 12-hour Hackathon conducted by MBA Department
- Executive Member, AI Coding Club

LANGUAGES

Tamil (Native) — English (Professional) — Hindi (Basic)