Akhil Thirunalveli

+91 9604937182
github.com/akhilthirunalveli
thirunalveliakhil@gmail.com
linkedin.com/in/akhilthirunalveli
leetcode.com/u/akhilthirunalveli

EDUCATION

Vellore Institute of Technology — *Bhopal, Madhya Pradesh*
B.Tech in Computer Science and Engineering; CGPA: 8.50 — 2022 - 2026

EXPERIENCE

SBI Foundation — Oct 2024 - Dec 2024
SDE Intern
- Developed high-performance video conferencing backend achieving under 100ms latency using Node.js, Fastify, and WebRTC connections
- Enabled real-time communication with Socket.io, supporting seamless video interaction.
- Directed a responsive UI with Next.js and Tailwind CSS, reducing load times for SBI Community Connect Application for Youth India

PROJECTS

Mockmate — React, Node.js, Express.js, MongoDB, Gemini API — Live Github
- Built full-stack interview coaching app across 12+ programming domains using React/Node.js.
- Integrated 4 APIs including Gemini and OpenAI Whisper for real-time question generation and speech transcription.
- Architected scalable Express.js middleware with MongoDB schemas for handling concurrent users and persistent sessions across the site.

Newssailor.com — React, Firebase, Custom API — Live GitHub
- Created a React web application with Material-UI that fetches 200 news articles every 2 hours via custom API Newsdata.io integration.
- Deployed Firebase-backed architecture for real-time news sync, handling 2,400 fresh articles daily.
- Improved load time by **35%** using lazy loading and enhanced API caching, enhancing user engagement and retention.

Know My Status — React, Node.js, Express.js, Supabase, React Native, Firebase — Live GitHub
- Launched QR-based system to track teacher availability in real time, increased system accessibility by **70%** compared to previous version.
- Implemented a mobile-responsive app using React Native, allowing students to scan QR codes and access teacher info in under **2 seconds**.
- Optimized RESTful APIs with Node.js, enabling faster schedule updates and reducing data sync time by **40%** using supabase.

SKILLS

Languages: Java, Python, JavaScript
Frameworks: React, Node.js, Express.js, Fastify
Databases: MySQL, PostgreSQL, MongoDB, Firebase, Supabase
Tools & Technologies: Git, Docker, GitHub

ACHIEVEMENTS

Adobe India Hackathon — Pre-Final Round — Github
Made an intelligent document analyst using MiniLLM-v2 with 90% accuracy, Sentence-tfs-V2-70 and Docker. Also created a solution which extracts headers from any document and exports them to JSON file.

Knight @ Leetcode — Achieved Knight Level with 1899 Rating (Contest Ranking: 29,076)

1899 Rank in **GeeksforGeeks** at the University level under VIT

POSITION OF RESPONSIBILITY

Non-Technical Lead at **The Google Developer Groups** - *Sept 24 – Present*

Google Cloud and **Google GenAI Facilitator**
Mentored over 300 students, completed more than 1650 skill badges on Qwiklabs, and achieved Level II for VIT.

Language Skills: English, Hindi, Tamil, Telugu, Marathi — **Interests:** Writing, Reading, Designing