

# AKHIL THIRUNALVELI

Portfolio | [thirunalveliakhil@gmail.com](mailto:thirunalveliakhil@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Leetcode](#) | +919604937182

## TECHNICAL SKILLS

Java, Python, JavaScript, SQL, React, Node.js, Express.js, MongoDB, Git, Github

## EDUCATION

### Bachelor of Technology Computer Science and Engineering

2022 - 2026

Vellore Institute of Technology, Bhopal | CGPA : 8.47

## INTERNSHIP

### Intern

State Bank of India Foundation

**Technical Skills:** Node.js, Next.js, TypeScript, React, Fastify, WebRTC, Custom APIs

- Developed backend infrastructure for a video-conferencing application using Node.js, Fastify, and WebRTC, enhancing performance and scalability. Integrated real-time communication features using Socket.io WebSocket connections and TURN/STUN server configurations. Reduced server latency to under 100ms during multi-user sessions.
- Employed **Postman and Swagger** for API testing; Implemented automated updation of the features page.
- Designed a responsive web interface for the **SBI Community Connect App using Next.js and Tailwind CSS**, ensuring fast load times and modern UI design.

## PROJECTS

### MockMate - Full Stack Interview Application

React, Node.js, Express.js, MongoDB, Gemini API, Google Text to Speech, MediaRecorder API, Whisper API

- Engineered a full-stack interview coaching application React frontend with MediaRecorder API for video capture and Node.js/Express.js backend with MongoDB for data management and user session persistence.
- Integrated Gemini API for question generation and response evaluation, coupled with Google Text-to-Speech and OpenAI Whisper API
- Designed responsive interface components featuring real-time feedback mechanisms and performance tracking dashboards with CRUD operations, enabling voice-based interactions.

### Newsailor - Real-Time News Application

React, Firebase, Custom APIs, Google Cloud, Material UI

- Built a React web application with Material-UI that fetches news articles every 2 hours via custom API integration, delivering fresh articles daily.
- Implemented automated polling system achieving 12 data refresh cycles per day with minimal latency.
- Developed responsive React architecture with Material UI components enabling seamless browsing of 14,400+ weekly aggregated articles.

### Know My Status (KMS) - QR Enabled Monitoring System

React, Node.js, Express.js, MongoDB, PHP, MySQL, React Native, Firebase

- Developed a QR-enabled Teacher Status Monitoring System ("Know My Status") for real-time teacher availability and schedule tracking.
- Implemented unique QR code generation using the official "phpqrcode" module, mapping each teacher to live status updates that refresh the website using middleware.
- Built a mobile-friendly web application using React Native for students to scan QR codes and instantly access teacher schedules and contact details.

## POSITIONS OF RESPONSIBILITY

**Non-Technical Lead at Google Developer Groups** Sept 24 – Till date

[LINK TO WORK](#)

**Financial Tech Member at Slice under Super 50 Team** Oct 24 – Till date

[LINK TO WORK](#)

**Google Cloud and Google GenAI Facilitator** Aug 23 – Oct 23

[LINK TO WORK](#)

- Mentored over 300 Students and completed over 1650 Skill badges in qwiklab & **Achieved Tier II for VIT Bhopal University**

## ADDITIONAL INFORMATION

Language Skills: English, Hindi, Tamil, Telugu, Marathi

Interests/Hobbies: Writing, Reading & Designing in Figma