AKHIL THIRUNALVELI

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TECHNICAL SKILLS

Java, Python, JavaScript, TypeScript, React, Next.js, Bootstrap, Node.js, Express.js, MongoDB, MySQL, Postman, Swagger, API

INTERNSHIP

Full Stack Developer - Intern

State Bank of India Foundation

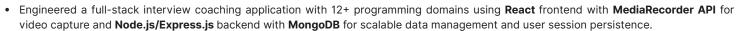
Technical Skills: Node.Js, Express.Js, MongoDB, Next.Js, TypeScript, React, Fastify, Postman API, Swagger, WebRTC, Custom APIs

- · Worked on backend 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. Bringing down server latency less than 100ms during multi-user sessions.
- Employed Postman and Swagger for API testing; version-controlled work with Git. Ensured automated updatation of 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 - Interview Preparation using AI with Video Assistant

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

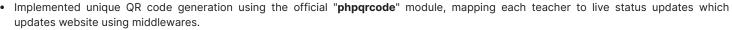


- Integrated Gemini API for dynamic question generation and response evaluation, coupled with Google Text-to-Speech for natural voice delivery and OpenAl Whisper API for accurate speech transcription and analysis.
- Designed responsive interface components featuring real-time feedback mechanisms, performance tracking dashboards with CRUD Operations, enabling voice-based interactions with <200ms latency
- · Configured MongoDB database schemas with optimized indexing strategies for efficient storage and retrieval of user profiles, interview sessions, and performance metrics.
- Created RESTful API architecture with JWT authentication and rate limiting, handling upto 1000 API requests per minute with almost high uptime.

Know My Status (KMS)

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





- · Built a mobile-friendly web application for students to scan QR codes and instantly access teacher schedules and contact details using react native.
- Designed responsive web interface with QR scanner integration using device camera APIs, supporting 98% of modern mobile browsers
- Developed RESTful API middleware architecture connecting PHP backend with Node.js services, processing updation process fast4er.

VIT Examination Portal

HTML, CSS, JavaScript, PHP, MySQL

· This Project build comprehensive Examination Portal which solves Problem regarding Notes, Previous Year Papers and attempting Examination.

- Right from sending mail to students for upcoming examinations to Providing Notes in the portal. Website has been made in two ways rights Students and Admin giving them various options separably.
- Implemented role-based access control for Students and Admin, providing databases for each. Ensuring Attendance feature for admin panel.

CO-CURRICULAR

Solved over 400+ questions (Global Ranking: 202,234)

• Achieved Knight Level with 1899 Rating (Contest Ranking: 29,076)

 Solved over 100+ questions (Rank: 1899 Rank) **GEEKSFORGEEKS PROFILE**

Geeksforgeeks **EDUCATION**

Bachelor of Technology Computer Science Engineering

Google Cloud and Google GenAl Facilitator Aug 23 - Oct 23

Vellore Institute of Technology, Bhopal | CGPA: 8.25

POSITIONS OF RESPONSIBILITY

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

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

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

LEETCODE PROFILE

2022 - 2026

LINK TO WORK

LINK TO WORK