R.VIKNESHWARI

B.E.COMPUTER SCIENCE AND ENGINEERING

CONTACT

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Nagapattinam, TamilNadu.

OBJECTIVE

Computer Science and Engineering student (graduating 2026) with hands-on experience in full-stack web development, voice-based AI systems, and UI/UX design. Skilled in Java, Python, SQL, and Flask, with experience in building scalable solutions. Completed internships and projects in authentication, e-commerce, and digital applications. Solved 563+ coding problems on SkillRack, demonstrating strong problem-solving and algorithmic ability.

EDUCATION

- **Bachelor of Engineering-Computer Science and Engineering** 2022– 2026

  Sir Issac Newton College of Engineering And Technology *CGPA: 8.58/10.0*

- ***Karaikal Ammayar Hr.Sec.School*** 2020 - 2022
  HSC   - Percentage : 81.8%
  SSLC   - Percentage : 82.1%

SKILLS

- **Programming Language**

  java   python   sql

- **Frameworks & Tools**

  GitHub   VS Code   Git   Jupyter Notebook   Canva

- **AI Tools**

  OpenAI APIs   Jasper AI   Rezi   Jobscan

PROJECTS

VOICE BASED AUTHENTICATION   Mar - 2025
(SpeechBrain + FastAPI)

- A real-time biometric speaker verification system combining SpeechBrain pretrained models with FastAPI.
- Utilized MFCC feature extraction and multi-user training to boost recognition accuracy (≈ 90-95%) and reduce false accept/reject rates.
- Developed a browser front-end using WebRTC for capturing microphone input and interacting via secure REST APIs with CORS support.
- Ensured low latency (< 1 sec response) and cross-browser compatibility for robust voice authentication.

DIGITAL NOTICE BOARD   Aug - 2025
HTML, CSS, JavaScript

- A dynamic notice board web app built with HTML, CSS, and JavaScript, centralizing college announcements.
- Supports real-time content updates without page reloads, cutting manual update effort by ~40%. Designed responsively for various devices, increasing student usage by ~50% (desktop + mobile combined).

💼 INTERNSHIP EXPERIENCES

FULL STACK WEB DEVELOPMENT (Internship -2025)

- Built a MERN-stack mini e-commerce site with user authentication, product listing & cart functionality.
- Developed REST APIs and integrated front-end & back-end with database to manage data flows.
- Ensured responsive UI design, state management & performance optimization.
- Collaborated using GitHub for version control & Trello for agile task tracking.

📜 CERTIFICATES

Masterclass On UI & UX   Jun - 2025
NoviTech R&D Pvt.Ltd   Chennai

Web Design   Apr - 2025
Annai College Of Engineering and Technology   Kumbakonam

Arduino Hackathon   Oct - 2024
Government College Of Engineering   Erode

Paper Presentation   Oct - 2024
EGS Pillay Engineering College   Nagapattinam

One day national Workshop   Mar - 2024
Central University Of Tamilnadu   Thiruvarur

Techno Think   Oct - 2023
SRM Valliammai Engineering College   kattanKulathu

🧩 HOBBIES

- Design Ecommerce wesite & Logo
- One Day One Program
- problem solving in SkillRack

🈂️ LANGUAGES

- English (Professional)
- Tamil

PERSONAL DETAILS

FATHER NAME   :   RAJU.T
DOB   :   18/09/2004
BLOOD GROUP   :   B+VE
ADDRESS   :   55/9, AU APPARTMENT,
    MURUGARAM NAGAR, KARAIKAL.

DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge and beleif.

SIGNATURE

(R.VIKNESHWARI)