

CONTACT

ABIRAM S

Frontend Developer & AI/Data Science Student

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PROFILE

B.Tech Artificial Intelligence & Data Science student at SNS College of Technology with a strong interest in frontend development, UI/UX design, and applied AI. Comfortable across the stack from Python and core CS fundamentals to modern React tooling (Three.js, GSAP, Framer Motion), with hands-on experience delivering polished, demo-ready products for hackathons and design internships. A quick learner with good communication and problem-solving ability, looking for internship or entry-level opportunities to apply and grow these skills in a real product team.

EDUCATION

Bachelor of Technology — Artificial Intelligence & Data Science *2025 – 2029*
SNS College of Technology, Coimbatore | GPA: 7.2/10

Higher Secondary School (12th) *2023 – 2025*
Mangalam Higher Secondary School | Mark: 374/600 | Cut-off: 105

Secondary School (10th) *2021 – 2023*
R J Matriculation Hr. Sec. School | Mark: 361/500

TECHNICAL SKILLS

Languages	Python (basics), Java (basics), JavaScript (ES6+)
Frontend	HTML, CSS, React, Vite, Tailwind CSS
Animation & 3D	Three.js / react-three-fiber, GSAP ScrollTrigger, Framer Motion
AI / CV Tools	OpenCV, MediaPipe (used for real-time hand tracking)
CS Fundamentals	Object-Oriented Programming, basic Data Structures
Tools & Platforms	Git & GitHub, VS Code, EmailJS, Excel
Design	UI/UX fundamentals, wireframing, prototyping, case studies

EXPERIENCE

UI/UX Design Intern — MECHNIDO

Under the guidance of the Tech Head | Dates on request

- Worked on live UI/UX design tasks under mentorship, learning end-to-end design workflow from research to wireframes to prototypes.
- Applied design fundamentals directly alongside frontend implementation, bridging the design-to-code gap.
- Documented the internship experience and outcomes in a full internship report.

PROJECTS

Resume Analyser — Design Thinking Project

Python, AI/NLP concepts | Academic project, SNS College of Technology

- Designed and built a smart Resume Analyser that evaluates resumes and matches candidate skills against job requirements using AI-based keyword and content analysis.
- Automated resume screening logic to assess keywords, skills, and role compatibility, reducing manual review effort.
- Role: solo/individual academic project, from concept through working prototype.

Personal Portfolio Website

React, Vite, Three.js / react-three-fiber, GSAP ScrollTrigger, Framer Motion, EmailJS | abiramsureshbabu-portfolio.netlify.app

- Designed and built a scroll-driven 3D portfolio with a custom camera-motion concept, deliberately moving away from generic template layouts and sci-fi/neon aesthetics.

- Structured the site into Projects, Hackathons, Workshop, Recruiter Hub, About, Skills, and Contact sections, with a live LeetCode stats widget embedded via SVG.
- Role: sole designer and developer — concept, animation system, and deployment (Netlify).

MediGenome AI — Hackathon Project

React, clinical data visualization libraries | Built for a hackathon submission

- Built the complete React frontend for a pharmacogenomics-aware precision medicine web application, including interactive clinical data visualizations.
- Prepared the full hackathon delivery package: working demo, pitch script, and anticipated judge Q&A.
- Role: frontend lead — owned UI, data visualization, and demo presentation.

QuickBite — UX Redesign Case Study

React (CDN-based prototype), UX research

- Ran a UX case study on a food delivery app experience, identifying friction points that lead to cart abandonment.
- Redesigned key screens and delivered an interactive CDN-based React prototype with annotated visual mockups explaining each design decision.
- Role: UX researcher and designer, end-to-end case study ownership.

Hand Gesture Virtual Keyboard

Python, OpenCV, MediaPipe, PyAutoGUI / pynput

- Built a virtual keyboard controlled entirely through real-time hand-gesture tracking, using MediaPipe for landmark detection and OpenCV for the video pipeline.
- Resolved several Windows environment/version conflicts to get MediaPipe running reliably (standardised on Python 3.10).
- Role: solo developer — computer vision pipeline and input simulation.

AI Voice Assistant

Python

- Built a voice-controlled assistant capable of handling spoken commands and basic task automation.

DWES Job Platform

Web development project

- Built a job platform concept connecting listings with candidate profiles, showcased as part of the portfolio project set.

Market Hub

Web development project

- Built a marketplace-style web application demonstrating listing, browsing, and transaction-style UI flows.

OD Approval System

Web development project

- Built a system to digitise and streamline on-duty (OD) approval requests and workflow within an academic setting.

Online Portfolio Builder

HTML, CSS, JavaScript (standalone application)

- Built a drag-and-drop portfolio builder with multiple block types, templates, and export functionality — allowing users to create their own portfolio sites without code.

CERTIFICATIONS & HACKATHONS

- Participated in **Mechnatron 2026**, Coimbatore Institute of Technology.
- Participated in **Technovibe**, SNS College of Technology — focused on innovation and practical learning through interactive technical activities.
- **Python Certification** — Scaler Academy.
- **Excel: Basic to Advanced Certification** — data management, formulas, charts, and spreadsheet automation.
- **Java Certification** — object-oriented programming, core Java concepts, and application development.

INTERESTS

Web Development & UI Design · Building Responsive Websites · Problem Solving & Logical Thinking · Exploring New Technologies · Creative Thinking & Innovation

LANGUAGES

Tamil — Fluent (Advanced) | English — Reading & Writing (Proficient), Speaking (Beginner)

ADDITIONAL HIGHLIGHTS

- Consistently builds **polished, recruiter-ready demos** rather than experimental prototypes — favouring complete, presentable products over half-finished feature lists.
- Comfortable shipping **fully functional demos using simulated/mock data** when a live backend isn't available, so projects remain demo-ready under time pressure (as in the MediGenome AI hackathon build).
- Iterates seriously on design direction: the personal portfolio went through multiple concept directions before landing on its current scroll-driven 3D approach, deliberately rejecting generic and overused aesthetics.
- Actively practises problem-solving on **LeetCode** (Abiram-26) alongside coursework and project work.
- Keeps an up-to-date presence on **GitHub** (github.com/abiram795) and **LinkedIn** to support recruiter outreach and technical review.
- Has hands-on exposure across the stack — frontend/animation (React, Three.js, GSAP), applied computer vision (OpenCV, MediaPipe), and UI/UX case-study work — rather than a single narrow specialism.