

# ARAVINTHAN B

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## 👤 Executive Summary

Enthusiastic and self-driven Computer Science student with a strong passion for web development, UI/UX design, and real-world automation. Skilled in building responsive web apps using modern technologies like React and Python. Deeply interested in creating meaningful tech solutions that blend creativity and functionality. Certified in React, AI, web technologies, and Inkscape through LinkedIn Learning. Served as CSE Department Secretary, actively leading event coordination and design.

## 🎓 Education

### • EASA College of Engineering And Technology

Coimbatore, Tamilnadu

B.E in Computer Science and Engineering 3rd year - ( August 2021 – Present )

**Focus:** Specializing in full-stack web development, UI/UX, and automation tools with real-time project exposure.

**Activities:** Served as Student Secretary of CSE, organized events, and designed the official brochure. Participated in hackathons and created digital content for college functions.

### • NCT Computer Education

Thanjavur, Tamilnadu

Diploma in Computer Applications (DCA) - ( February 2022 – August 2022 )

**Grade:** A

**Activities:** Developed during the Diploma in Computer Applications (DCA), this project detects vehicles violating red signals using basic image recognition and timer-based logic. It demonstrates foundational knowledge in programming, traffic automation, and system design.

## 💻 Projects

### Inno-Pulse – Innovation Tracking Web App 🔄 | [demo](#) 🔗

#### Description:

Built a full-stack web application to track and visualize innovation indicators such as patent filings, R&D investments, and entrepreneurship rates. Provides actionable insights, policy recommendations, and advocacy tools to support innovation-driven growth.

#### Tech Stack:

React.js · Node.js · MongoDB · D3.js · Bootstrap · RESTful APIs · AWS · GCP · JavaScript · HTML · CSS

### AI Assistant – Python Voice Assistant 🗣️ | [demo](#) 🔗

#### Description:

Developed a desktop-based voice assistant using Python that executes commands like launching applications, searching online content, and automating text input — enhancing hands-free interaction and user productivity.

#### Tech Stack:

Python · Artificial Intelligence (AI) · Speech Recognition · pyautogui · Git · GitHub · Machine Learning · Scripting

## ⚙️ Technical Skills

**Proficient In:** HTML5, CSS3, JavaScript, React.js, Python, Git & GitHub, Bootstrap, Canva, Inkscape, Arduino, REST APIs, Networking.

**Familiar With:** Node.js, Express.js, MongoDB, pyautogui, Speech Recognition, Raspberry Pi, Machine Learning (Basic), AWS & GCP (Basics), VMware, UI/UX Design (Wireframing, Prototyping), C Programming, MS Office.

## 🏆 Achievements & Activities

- **Web Development Intern:** Pinnacle Labs, Remote (June 2025 – Present): Selected based on skills, contributing to full-stack development.
- **30-Day Full Stack Development Masterclass:** Novi Tech R&D Pvt. Ltd.: Completed certified training on frontend and backend development.
- **Hackathon Participant:** SDG 9 (Industry, Innovation & Infrastructure): Built Inno-Pulse, a web app tracking innovation and entrepreneurship metrics.