

Vijay Karthick R

📍 Salem, Tamil Nadu, India ✉ vijaykarthickraju@gmail.com ☎ +91 9361706465 in VIJAY KARTHICK R
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Profile

Aspiring full-stack developer passionate about front-end development and creating user-centric web applications. Currently pursuing B.E in Biomedical Engineering with hands-on experience in both hardware and software development.

Skills

Programming Languages: Java, C, HTML, CSS, React, SQL (Basic)

Tools & Platforms: VS Code, Chat-GPT, Figma, MATLAB, KiCad, Arduino IDE

Core Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms, DBMS

Technical Areas: Front-end Web Development, UI/UX Designing, PCB Designing

Soft Skills: Leadership, Time Management, Problem Solving, Critical Thinking, Team Collaboration

Education

B.E	Bannari Amman Institute of Technology , Biomedical Engineering	CGPA: 7.37 2022 – 2026
12th	AKV Public School (CBSE)	61% 2020 – 2021
10th	AKV Public School (CBSE)	73.6% 2018 – 2019

Projects

Medical Prescription Decoder	Jan 2024 – Mar 2024
<ul style="list-style-type: none">• Led a team and developed the front-end of a web app that decodes handwritten doctor prescriptions by integrating OCR and NLP tools to interpret and process scanned prescription images.• Implemented user-friendly interface for healthcare professionals to digitize prescriptions.• Tools Used: React, NLP, OCR	
Smart Parkinson's Spoon	Apr 2023 – May 2024
<ul style="list-style-type: none">• Designed and implemented a gimbal-based stabilization system using servo motors to aid Parkinson's patients in eating.• Created custom PCB layout for efficient circuit integration using KiCad.• Tools Used: Arduino IDE, KiCad, Servo Motors	

Certifications

Getting Started with Microsoft Excel - Coursera

Areas of Interest

- Front-End Web Development
- Java Programming
- PCB Designing