

Kirthik Saran D S

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Location: Kumbakonam, India

SUMMARY

A motivated Computer and Communication Engineering student with a strong foundation in Python, C/C++, Java, and hands-on project experience. Skilled in teamwork and problem-solving, with a keen interest in IoT. Eager to apply technical skills to develop innovative solutions and gain practical industry experience.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, Javascript.
Web Development: React.js, Next.js, Node.js, Express.js, Tailwind CSS
DBMS: MongoDB
IDE/Tools: Visual Studio Code, Spyder

EDUCATION

Bachelor of Technology in Computer and Communication Engineering Oct 2022 - May 2026
Amrita School of Engineering, Coimbatore, Tamil Nadu, India
CGPA: 6.54

Higher Secondary Education (Class XII) June 2021 - May 2022
Christ The King Matriculation School, Kumbakonam, Tamil Nadu, India
Percentage: 84.33%

Secondary Education (Class X) June 2019 - May 2020
Christ The King Matriculation School, Kumbakonam, Tamil Nadu, India
Percentage: 72%

LANGUAGES

English: Professional Proficiency
Tamil: Native Proficiency
Hindi: Elementary Proficiency

PROJECTS

Job Portal Jun 2025 - Present

- Developing a comprehensive, full-stack job portal application to connect employers with potential candidates.
- Implementing core features including user authentication, dynamic job postings, and advanced search/filter functionalities.
- Building a responsive user interface with React.js for a seamless user experience across all devices.
- Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js).

Dynamic Blog Website

Jun 2025 - Present

- Building a full-stack blog application using Next.js for optimal performance and SEO.
- Developing a secure admin dashboard with protected routes for full CRUD (Create, Read, Update, Delete) operations on posts.
- Implementing features such as category-based filtering, user email subscriptions, and a responsive UI styled with Tailwind CSS.
- **Technologies:** Next.js, React, Node.js (API Routes), MongoDB, Tailwind CSS.

Face Tracking Robotic Arm

Oct 2024 - Feb 2025

- Engineered a robotic arm system capable of real-time face detection and tracking using computer vision.
- Utilized a webcam to capture a video feed and processed it with OpenCV in Python to identify facial coordinates.
- Controlled servo motors via an Arduino microcontroller to physically orient the arm towards the tracked face.
- **Technologies:** Arduino, Python, OpenCV, Servo Motors, Computer Vision, Real-time Systems.

CERTIFICATIONS

- **Data Analytics using Excel** — CIR Amrita Vishwa Vidyapeetham — 2023 — Coimbatore, India
- **Introduction to HTML** — Online — SimpliLearn — 2025 — Coimbatore, India

ACHIEVEMENTS

Siddha Yuddham — Short Film — Editor

Secured 2nd prize in Gokulashtami event 2024