KIRAN SAKTHIVEL A

B.E. Electronics and Communication Engineering

📞 +91-94421 73548   ✉ kiransakthivela@gmail.com   in LinkedIn   📅 29/02/2004

EDUCATION

Bachelor of Engineering   **2021-2025**
Sri Ramakrishna Institute of Technology

CGPA 8.3

HSC   **2020-2021**
Sindhi Vidyalaya Matric Higher Secondary School

Secured 85.2%
                                                                                                             2018-2019
SSLC
Sindhi Vidyalaya Matric Higher Secondary School

Secured 86.2%

SKILLS & COMPETENCIES

Technical Skills: Java, HTML, CSS, JavaScript, SQL.
Soft Skills: Analytical Thinking, Time Management, Teamwork & Collaboration, Active Listening.
Languages Known (Speaking, Reading, and Writing): English, Tamil.

PROJECTS

Event Website for CORNUCOPIA 2024

- Built an event management website using HTML, CSS, and JavaScript.
- Designed a responsive UI for event registration and details, increasing user engagement by 30%.

Vehicle Number Plate Detection

- Developed an image processing system for automatic number plate recognition with 95% accuracy.
- Optimized preprocessing techniques to enhance detection efficiency and system robustness.

Fingerprint-Based Car Ignition System (Patent Pending)

- Engineered a biometric car ignition system using Arduino and RFID, reducing unauthorized access by 90%.
- Designed and tested a multi-layer authentication prototype for enhanced vehicle security.

Animal Detection & Monitoring System in Railway Tracks Using Deep Learning (Journal Paper Published)

- Implemented a real-time animal detection system using Python, OpenCV, and a pre-trained YOLO model.
- Achieved 85% detection accuracy, contributing to a 40% reduction in railway track accidents.
- Deployed the solution on edge devices for faster real-time monitoring.

INTERNSHIP

Internship at Unotronix, Coimbatore (Dec 10, 2022 – Dec 24, 2022)

- Collaborated on the design and development of 5+ electronic enclosures and cabinets, improving product efficiency by 10%.
- Assisted in optimizing manufacturing processes, reducing production errors by 15%.
- Conducted material research that contributed to a 12% improvement in design innovation and durability.

CERTIFICATES

- Business English Certificate (BEC): Certified for proficiency in Business English.
- Introduction to Internet of Things (IoT) – NPTEL (Elite + Silver): Achieved certification with top performance.
- Cloud Computing – NPTEL (Elite): Earned certification with high merit.
- MAPATHON 2023: Led the team to success and honored as a Notable Participant (Certificate awarded).

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

- Team Leader in MAPATHON 2023 competition.
- Conducted Technical Events: Organized TECHATHON 2023 and CORNUCOPIA 2024 at college.
- Seminar on Color Grading (DI): Delivered a seminar attended by 100+ participants.
- Promotional Video: Created a promotional video for college outreach and engagement.

AREAS OF INTEREST

- Software Development
- Web Development
- Full Stack Development