KARTHIK S

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EDUCATION

Thanthai Periyar Government Institute of Technology   October 2020 - May 2024
Bachelor of Engineering in Electronics and Communication Engineering (CGPA of 7.97)   *Vellore, Tamilnadu*

Government Higher Secondary School   June 2019 - June 2020
HSC (75%)   *Vengarai Kottaikadu, Tamilnadu*

Government Higher Secondary School   June 2017 - June 2018
SSLC (89%)   *Vengarai Kottaikadu, Tamilnadu*

TECHNICAL SKILLS

Frontend Development: HTML, CSS, Tailwind CSS, JavaScript, TypeScript, React.js, AngularJS
Backend Serverless: Nodejs, AWS Lambda
Database Technologies: MongoDB, DynamoDB
Cloud Monitoring Tools: AWS CloudWatch
Version Control Tools: Git, GitHub

INTERSHIP

Industrial Embedded with AI and IoT Internship   July 2023 – August 2023
National Small Industries Corporation   *Offline Mode - Chennai, Tamilnadu*

- Collaborated on cutting-edge AI and IoT projects, enhancing industrial automation and data-driven decision-making. Contributed to the development and integration of embedded systems, optimized equipment maintenance through AI algorithms, and deployed IoT solutions for real-time monitoring, improving operational efficiency.

Python Programming Basic   July 2023 – August 2023
Pantech E learning PVT LTD   *Offline Mode - Chennai, Tamilnadu*

- Contributed to Python programming projects at Pantech, collaborating on software development, optimization, and problem-solving. Gained proficiency in Python, [Mechine Learning Basics And Data Science Basics], and played a role in delivering effective solutions.

Web Development   Oct 2024 – Feb 2025
Amwhiz Media private limited   *Offile Mode - Chennai, Tamilnadu*

- I am completed a Web Development Internship at Amwhiz Media, where I gained real-world experience working with Next.js and React.js to build modern, SEO-friendly, and responsive web interfaces. It helped me strengthen my understanding of component-driven architecture, routing, and performance optimization in production-level apps.

PROJECTS

- **Multi-Platform Integration Experience** | *Angular, AWS Serverless, Meta API* | Worked extensively on integrating various third-party platforms into full-stack applications. Implemented social media APIs such as Instagram, LinkedIn, Twitter, and Facebook to enable features like OAuth login, content scheduling, analytics, and profile data syncing. Integrated Razorpay for secure payment handling, order tracking, and transaction status updates. Also worked with affiliate store APIs to fetch product data, manage commissions, and generate affiliate links. Gained hands-on experience with API authentication (OAuth 2.0, tokens), webhook handling, and real-time data sync across services..

- **A Cloud Based Smart Parking System Using Iot Technology** | *Embedded C, IOT , Blynk, STM32* | Experienced IoT developer proficient in using ESP8266 and STM32 controllers to create cloud-based solutions for smart parking systems. Skilled in Arduino and STM32IDE software, with a passion for developing innovative IoT projects.

- **Employee Management System** | *HTML/CSS, Node JS, MySQL* | https://github.com/Karthik-Saravanan-10 - Designed and implemented an Employee Empowerment application using Node.js, enabling CRUD operations for employee data. Leveraged the Express.js framework for robust backend development. Developed RESTful APIs for creating, reading, updating, and deleting employee records, showcasing proficiency in Node.js, API design, and database integration.

LANGUAGES

- **Tamil**
- **English**