

Aathishkumar S

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Summary

React Developer with hands-on experience building responsive web and mobile applications using React, Next.js, and React Native (Expo). Skilled in modern frontend technologies, API integration, and delivering seamless UI/UX. Strong foundation in full-stack development with exposure to backend services, cloud platforms, and real-time communication systems. Passionate about creating performant, user-focused applications.

Technical Skills

Frontend: React.js, Next.js, React Native (Expo), TailwindCSS, HTML, JavaScript, TypeScript

Backend & APIs: Node.js, Express, Socket.IO, REST APIs, Redis, MongoDB

Tools & Platforms: Git, VS Code, Postman, Vercel, Render, Heroku

Others: Python, Golang, Docker, Linux, Google Cloud

Experience

Predictive Maintenance (Robotics) | Nokia, Chennai

Apr 2025 – Present

- Worked on a predictive maintenance project for robotics systems to detect errors and prevent downtime.
- Built data visualization dashboards to track error patterns and system performance.
- Integrated React-based interfaces for real-time robotics error monitoring and reporting.
- Gained experience in combining IoT data streams, AI insights, and frontend dashboards for predictive analytics.

R&D Intern | Read Automation, Chennai

Oct 2024 – Dec 2024

- Contributed to the backend communication layer of a mobile app for IoT device control.
- Integrated a real-time cloud dashboard to improve monitoring and user interaction.
- Collaborated with cross-functional teams for end-to-end system integration.

Research Intern | SRM Group, Chennai

Jan 2025 – Present

- Developed and tested full-stack prototypes for robotics data dashboards.
- Worked on live monitoring web applications, focusing on UI responsiveness and performance.

Projects

React Expo Quiz App

- Built a cross-platform quiz app for class assessments using React Native (Expo).
- Ensured seamless functionality across Android and web platforms.

Next.js AI Camera (Edge-to-Cloud)

- Created a Next.js-based web app for real-time object detection.
- Designed optimized video streaming pipelines from edge devices to cloud servers.

Telegram Blood Donor Manager Bot

- Developed a chat-based app to manage blood donor info and streamline connections.

Secure & Anonymous Telegram Chat Bot

- Built a privacy-focused chat bot integrating secure and anonymous messaging features.

MacOS Screen Mirroring App

- Created an app to mirror Android screens to macOS with low-latency performance.

Education

Bachelor of Engineering, Robotics & Automation

Easwari Engineering College, Chennai

CGPA: 7.95

Certifications

- Cisco Python Essentials & Cybersecurity
- AWS APAC – Solutions Architecture Job Simulation
- Getting Started with AI on Jetson Nano (NVIDIA)
- Introduction to VMware (Simplilearn)