

## PATCHAIYAPPAN K

Full Stack Developer

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Git-Hub: <https://github.com/Patchaiyappankannan>

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### Profile

Highly motivated and results-driven Full Stack Developer with strong backend expertise in Python and frontend proficiency using React (JavaScript & TypeScript). Skilled in building scalable applications, designing RESTful APIs, and deploying production-ready solutions. Passionate about building user-centric digital products, optimizing system performance, and collaborating with cross-functional teams.

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### Experience

#### Full Stack Developer

Aspira Technology, Chennai

November 2025 – Present

##### Key Projects:

- **Aspira Technology:** Developed React 19 SPA migrating static HTML to dynamic 14+ page app with 34+ blog posts, 6 reusable components, Bootstrap 5 responsive UI/UX, React Router, custom hooks, Vite 7 optimization, SEO slug-based routing, and production-ready deployment.
- **Alexa Interiors:** Developed a responsive interior design website using React 19 and Vite with 17+ service pages, dynamic routing, and interactive image galleries optimized for performance and seamless UX.

#### Full Stack Developer

DGi WORX, Chennai

July 2025 – November 2025

##### Key Projects:

- **Credo Star – Online Course Platform:** Developed a scalable web platform using React (TypeScript) with Vite for fast builds and optimized performance, integrated with Material UI for a seamless UI/UX. Implemented authentication, course enrollment flows, and user dashboards, with backend APIs built in Python FastAPI and PostgreSQL.
- **FarmGro-Eco-Trails – Village-based Agri-Tourism Platform:** Built the public-facing site and booking interfaces using HTML, CSS, and JavaScript, focusing on responsive layouts, offline-friendly pages for rural connectivity, simple booking flows, and showcasing local produce and itineraries. Backend services were developed in Python FastAPI with PostgreSQL.
- **API Development & Integration:** Built high-performance APIs using Python FastAPI for backend communication, integrated with PostgreSQL.
- **Authentication & Course Management:** Implemented secure login, user enrollment flows, and dashboard components.

## **Junior Software Developer**

**Promethean Software Solutions, Pondicherry**

**December 2023 – June 2025**

### **Key Projects:**

- **Medshyne – Organization Onboarding:** Developed onboarding UI using ReactJs and integrated backend APIs with NodeJs + MySQL.
- **Medshyne – Doctor App & HCR App:** Created role-specific applications for doctors and healthcare reps, focusing on authentication, scheduling, and secure data access.
- **Medshyne – Super Admin Panel:** Built a responsive admin dashboard with ReactJs + Bootstrap for managing healthcare organizations.
- **East Coast Hospital – Dialysis Module:** Developed patient scheduling and monitoring features in ReactJs, optimized for real-time data updates.
- **Office Website Enhancement:** Enhanced performance and accessibility of company's React-based website for better SEO and UX.

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### **Technical Skills**

- **Frontend:** React (JavaScript & TypeScript), HTML5, CSS3, Bootstrap, Material-UI, Axios
- **Backend:** Node.js, Express.js, Python (FastAPI), MySQL, PostgreSQL, MongoDB
- **Tools & Platforms:** Git, Postman, Visual Studio Code
- **Others:** RESTful APIs, API Integration, Testing & Debugging, Agile Collaboration

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### **Education**

#### **B.Tech – Electrical and Electronics Engineering**

Christ College of Engineering & Technology, Pondicherry University

2017 – 2021 | CGPA: 7.89

- **Project:** Piezoelectric Energy Harvesting – Generated 5W power from vibrations; improved conversion efficiency by 12%.
- **Internship:** Supreme & Co. Pvt Ltd, Kolkata – Contributed to power transmission manufacturing processes and quality testing.

#### **HSC – State Board of Tamil Nadu**

Jothi Vallalar Higher Secondary School | 2016 – 2017 | 55%

#### **SSLC – State Board of Tamil Nadu**

Kolping Matriculation Higher Secondary School | 2014 – 2015 | 74%