

Jayasankar J P

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in linkedin.com/in/jayasankar-j-p

🐙 github.com/SCI-COPATH

📺 youtube.com/scicopath

🌐 sci-copath.github.io/portfolio/

Objective

Dedicated and versatile software developer with a strong foundation in full-stack, frontend, and backend development. Seeking opportunities to apply my skills in building scalable and efficient applications, contributing to dynamic and innovative teams.

Education

- **2019-2023**

Bachelor of Technology in Computer Science and Engineering
APJ Abdul Kalam Technological University
CGPA: 7.96

- **2017-2018**

Higher Secondary
St. Michael's HSS, Kaduthuruthy
Score: 79%

Work Experience

- **Spaar Environmental Technologies Pvt Ltd - Full Stack Developer (PERN Stack)**

January 2024 - Present — Thrissur, Kerala

- Developed and maintained web applications using React, Node.js, Express, and PostgreSQL.
- Worked on the Water Treatment and Monitoring System, integrating IoT solutions using ESP8266 and MQTT protocol to monitor water quality and automate treatment processes.
- Built an Employee Management and Estimate Generation System, streamlining project estimation and workforce management.
- Utilized NGINX for hosting and optimized server performance.
- Conducted full-stack development tasks, including UI design, API development, database management, and deployment.

Skills

- **Programming Languages:** Java, Python, JavaScript, C
- **Web Development:** React.js, HTML, CSS, Node.js, Express.js
- **Databases:** MySQL, PostgreSQL
- **IoT:** Arduino, ESP8266
- **Tools:** Git, NGINX

Projects

- **Shopping Website - GitHub:** github.com/SCI-COPATH/shopping-app

A full-stack e-commerce platform enabling users to browse products, add items to cart, and complete purchases online.

- Designed the frontend using React.js and implemented a responsive UI.
- Developed RESTful APIs with Node.js and Express for backend services.

- Managed data using PostgreSQL and ensured secure user authentication.
- **Library Management System** - GitHub: github.com/SCI-COPATH/library-app
A web application for managing library resources, tracking book availability, and managing user accounts.
 - Built the frontend using React.js to provide an intuitive user interface for library staff and students.
 - Integrated MySQL for database management, ensuring efficient data storage and retrieval.
 - Implemented features such as book search, user login, and borrowing history tracking.

Other Activities

- **YouTube Channel: SCI-COPATH**

Creator and educator on IoT and programming basics using Arduino, ESP8266, and C, providing educational content in Malayalam.

- **Leadership Roles**

- IEEE Chairman at college, leading technical and community initiatives.
 - Getch mu learn District Coordinator, organizing and coordinating events during B.Tech studies.