

Rathan K

Pollachi | rathan14705@gmail.com | 6379550368 |

Linkedin | Github | Portfolio

Professional Summary

Detail-oriented Computer Science undergraduate with hands-on experience in web development using **React.JS**, **MongoDB**, **Node.JS** and **Tailwind CSS**, focused on building **secure, scalable, and maintainable applications**. Having working knowledge in **python**, **c**, **Java**. Experienced in **Git**-based workflows, project-driven development, and implementing **DevOps CI/CD** pipelines to streamline software delivery. Maintained and monitored applications using tools such as **Argo CD**, **Trivy**, **Prometheus**, and **Grafana**, while implementing containerized deployments with **Docker** and **Kubernetes**. Committed to delivering high-quality, robust solutions in remote and enterprise-grade environments.

Education

Karpagam College of Engineering - B.E. Computer Science

Sept 2023 – May 2027

- GPA: 8.5/10

Projects

Kata-Sync:

- It is a productivity-focused browser extension designed to help developers and learners synchronize coding practice, notes, and progress across platforms in a structured and distraction-free way.

Tech Stack: JavaScript, HTML, CSS, Google Extension

DevSecOps Employee Portal

Developed a full-stack Employee Management Portal with secure authentication, employee management, analytics, and role-based access control.

Tech Stack: React.js, Node.js, Express.js, MongoDB, Docker, Kubernetes, GitHub Actions, Trivy, GitHub Container Registry (GHCR), ArgoCD, HashiCorp Vault, Prometheus, Grafana, GitOps

Staffbase Employee Record Management System

Built a secure full-stack employee management system with role-based access control, JWT authentication, REST APIs, and a React frontend backed by a relational database.

Tech Stack: Java, Spring Boot, React.js, REST APIs, JWT, MySQL/PostgreSQL, Git, Postman

AI Chatbot using ESP32-C3 Mini

Developed an AI-powered chatbot using ESP32-C3 Mini, integrating Wi-Fi communication, REST APIs, and embedded web technologies for real-time conversational interaction.

Tech Stack: ESP32-C3 Mini, Embedded C/C++ , Arduino IDE, Wi-Fi, HTTP/REST APIs, Git, IoT, Web Interface.

Certifications

Networking Essentials: Covered core networking concepts including TCP/IP, HTTP/HTTPS, DNS, and network security fundamentals relevant to web and backend systems.

SQL : Experience with relational databases, schema design, joins, CRUD operations, indexing, and query optimization.

RestAPI: Design and implementation of RESTful services, secure endpoints, CRUD operations, authentication, and API testing.

REACT JS : Component-based UI development, state & props management, REST API integration, and responsive layouts.

Skills

Frontend Technologies: HTML5, CSS3, JavaScript, React.JS, Three.JS, Tailwind CSS, Flutter, Dart.

Web Backend Development spring Boot, Node.JS, Chrome Extension APIs , REST API, JWT.

Tools and Platforms: Git & GitHub , Postman, Blender, AWS, Jenkins, Linux (Ubuntu/Kali), Docker, Kubernetes, Trivy, ArgoCD, HashiCorp Vault, Prometheus, Grafana.

DataBase: Oracle, PostgreSQL, MongoDB.