

Saimohan R

Java Fullstack Developer — AI Research Intern

9-1-5, Kailasanathar Kovil Street, Tharamangalam, Salem - 636502

Phone: +91 93615 94071 — Email: kannansaimohan2003@gmail.com — LinkedIn:

linkedin.com/in/sai-mohan-42367b287 — GitHub: github.com/saimohan24092003

Professional Summary

Aspiring Java Fullstack Developer with experience in integrating AI-driven backend services and building scalable web applications using **React.js**, **Node.js**, and **RESTful APIs**. Actively learning **Java**, **Springboot**, **Docker**, **Kubernetes**, and **AWS cloud services**. Skilled in version control using Git and API development. Currently working as an **AI Research Intern at Clamshell Pvt. Ltd**, developing ChatGPT-powered instructional design solutions for automated e-learning content creation and delivery.

Education

College of Engineering Guindy, Anna University, Chennai

Sept 2022 – May 2025

B.E. Electronics and Communication Engineering

Thiagarajar Polytechnic College, Salem

June 2019 – Apr 2022

Diploma in Electronics and Communication Engineering

Technical Skills

- **Languages & Frameworks:** Java (learning), JavaScript (React.js, Node.js, Express), RESTful APIs, Springboot (learning)
- **Cloud & DevOps:** Docker (fundamentals), Kubernetes (learning), AWS (EC2, S3, Cloud Config basics), CI/CD (CodeBuild, CodePipeline concepts)
- **Version Control:** Git, GitHub workflows
- **Databases:** MySQL, MongoDB (basics)
- **Testing & Quality:** JUnit (learning), unit testing, debugging
- **AI Tools:** ChatGPT API integration, content analysis pipelines

Professional Experience

AI Research Intern – Clamshell Pvt. Ltd, Bangalore

Jul 2025 – Present

- Developed an **AI instructional design platform** integrating ChatGPT 4.0 mini for automated e-learning content creation.
- Built backend services for **content analysis**, **SME question generation**, **gap analysis**, **strategy recommendations**, and **learning maps**.
- Enabled clients to upload source content and receive structured learning templates, content suggestions, and prototype recommendations.
- Designed RESTful APIs to process data pipelines and track user interactions with AWS-hosted infrastructure.
- Managed Git workflows and deployment pipelines using Docker and AWS CodeBuild for scalability and version control.
- Collaborated with cross-functional teams in Agile sprints to refine content generation algorithms and improve user experience.

Projects

ChatGPT Learning Assistant – React, Node.js, AWS

Mar 2025 – Jun 2025

- Developed a content recommendation system using ChatGPT API for study material generation and FAQs.
- Designed APIs for content analysis, feedback, and user interaction tracking.
- Hosted backend services on AWS EC2 and managed file storage with S3 buckets.

Bank Management System – Java, MySQL

Jan 2025 – Apr 2025

- Implemented authentication, deposit/withdrawal workflows, and transaction reports using Java and MySQL.
- Automated monthly statement generation and transaction audit trails for users.
- Integrated error validation and data consistency checks for real-time banking operations.

Online Bus Ticket Booking System – Java, MySQL

Sept 2024 – Dec 2024

- Built booking, cancellation, scheduling, and reporting functionalities with error handling.
- Integrated payment gateway mock-ups and seat reservation logic for seamless booking experience.
- Implemented automated notifications and booking confirmation workflows to enhance user engagement.

Certifications

- Udemy Full-Stack Web Development (Ongoing): HTML, CSS, JavaScript, React.js, Node.js, Express, MySQL, MongoDB
- Java Programming (In Progress): Java8, object-oriented programming, and JUnit testing
- Docker Basics (Self-learning): Containerization and deployment workflows
- AWS Cloud Concepts (Self-learning): EC2, S3, Cloud Config, and deployment pipelines