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 Applications Engineering Intern with practical experience in developing scalable web applications using React.js, Node.js, and RESTful APIs. Currently expanding expertise in Java, Springboot, Docker, Kubernetes, and AWS cloud services. Experienced in integrating AI-driven content solutions using ChatGPT, version control, and cloud deployment pipelines. Strong communication and problem-solving skills aimed at translating business needs into technical solutions.

Education

College of Engineering Guindy, Anna University, Chennai   **Sept 2022 – May 2025**
Bachelor of Engineering in Electronics and Communication Engineering

Thiagarajar Polytechnic College, Salem   **June 2019 – Apr 2022**
Diploma in Electronics and Communication Engineering

Technical Skills

- **Languages:** Java (learning), JavaScript (React.js, Node.js, Express), SQL, MySQL, MongoDB
- **Frameworks:** Springboot (learning), RESTful APIs, Web Services (SOAP basics)
- **Cloud & DevOps:** AWS EC2, S3, Cloud Config, Docker, Kubernetes (learning), CI/CD pipelines
- **Tools:** Git, GitHub workflows, JUnit (learning), debugging, unit testing
- **AI Integration:** ChatGPT API, content analysis, feedback systems

Experience

AI Research Intern – Clamshell Pvt. Ltd, Bangalore   **Jul 2025 – Present**

- Spearheaded the development of an AI-powered instructional design platform by integrating ChatGPT API to automate content generation for e-learning solutions.
- Designed and implemented RESTful APIs to support functionalities such as content analysis, gap detection, learning recommendations, and user interactions.
- Utilized Docker containers and AWS CodeBuild pipelines to streamline deployment processes, ensuring scalability and version control across environments.
- Collaborated with cross-functional teams using Agile methodology, actively participating in sprints to refine algorithms and improve user engagement.
- Enhanced system architecture by integrating AWS services such as EC2 and S3 for efficient data storage and retrieval in distributed environments.

Projects

ChatGPT Learning Assistant – React.js, Node.js, AWS   **Mar 2025 – Jun 2025**

- Built a content recommendation engine utilizing ChatGPT API to personalize learning paths based on user preferences and queries.
- Developed backend services for content analysis, feedback loops, and interaction tracking to enhance learning outcomes.
- Deployed the application on AWS EC2 and implemented file storage solutions using S3 for reliable and scalable data management.

Bank Management System – Java, MySQL   **Jan 2025 – Apr 2025**

- Designed and implemented core banking functionalities such as authentication, transaction workflows, and automated monthly statements using Java and MySQL.
- Integrated error handling and validation checks to ensure data integrity and smooth user operations.

Online Bus Ticket Booking System – Java, MySQL   **Sept 2024 – Dec 2024**

- Developed ticket booking, cancellation, and scheduling workflows with mock payment integrations to enhance user experience.
- Implemented automated notifications and reservation tracking to ensure user engagement and service reliability.

Certifications

- Udemy Full-Stack Web Development – React.js, Node.js, MySQL, MongoDB (Ongoing)
- Java Programming – Object-oriented principles, JUnit testing (In Progress)
- Docker Basics – Containerization and deployment workflows (Self-learning)
- AWS Cloud Concepts – EC2, S3, Cloud configuration fundamentals (Self-learning)