JAGANARUL A

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Professional Summary

AI-driven Java Developer experienced in building intelligent systems, including AI chatbots and fraud detection engines for web platforms. Proficient in **Java, Spring Boot, REST APIs, MySQL/Hibernate**, and web integration using **HTML, CSS, JavaScript, Thymeleaf**. Skilled in **NLP, rule-based logic, and heuristic analysis** to deliver responsive, user-centric applications. Hands-on experience from a **Java internship at Zidio Development** in integration, debugging, and backend optimization. Passionate about **AI, scalable architectures, and automation**, with strong problem-solving, collaboration, and time-management skills to deliver high-quality solutions.

Skills

Skills	Explanation
Languages	Java, AI, SQL (MySQL), HTML, CSS, JavaScript
T24	T24 Basics, OFS, AA, TAFJ, TAFC
Framework	Spring Boot, Docker, JDBC, Jupyter LM.
AI & Intelligent	NLP, Basic AI Model Design, LLAMA.
Backend & APIs:	REST API Design, Secure API
Tools & IDEs	IntelliJ IDEA, Eclipse, Visual Studio Code, MySQL Workbench
Version Control	Git, GitHub , Jupyter Lab
Current Focus	AI-driven Java applications, Spring Boot API development, scalable backend architecture

Experience

Java Intern – Zidio Development (June 2025 – sept 2025)

- Contributed to backend development by implementing and maintaining modules using **Java** and **Spring Boot**.
- Performed debugging, code optimization, and performance tuning to ensure efficient application functionality.
- Assisted in **API integration** and database operations using **SQL** to support core business features.
- Collaborated with senior developers following **Agile methodologies**, gaining exposure to professional software development workflows.

Projects

S.no	Title	Technology Used	Description
1	**Online Banking System inbuild AI chatbot**	Java, JSON, NLP, Web Integration	• Designed and implemented a rule-based, text-driven AI chatbot using Java to simulate real-time banking assistance. • Applied NLP concepts to interpret user queries and deliver context-aware replies. • Integrated the chatbot into a responsive website interface for interactive banking support.
2	**Gen AI – Cold Mail Generator**	Python, LLAMA 3.1, Chromabd, Chatling, JSON, REST APIs	• Developed a generative AI assistant using Meta's LLAMA 3.1 model for natural language response generation. • Utilized Hugging Face Transformers, Auto Tokenizer, and Text Generation Pipeline for efficient model handling and inference. • Enabled multi-turn dialogue with context retention and dynamic memory management.
3	**AI-Chatbot**	NLP, python3, RNN, LSTM	• Developed an AI-powered chatbot leveraging NLP, Python, (RNN, LSTM) for contextual conversation handling • Implemented text preprocessing, intent classification, and dynamic response generation to enhance user interaction • Integrated chatbot with modular design for scalability and potential deployment in real-time applications
4	**Beyond the Firewall Demystifying Offline Device Security Vulnerability**	Embedded Security, Firmware, System Design, USB Rubber Ducky	• Analyzed and identified physical security vulnerabilities in offline systems. • Implemented robust protection strategies like secure boot mechanisms and firmware validation. • Enhanced system resilience through detailed risk assessment and defense architecture planning
5	**AI Voice Banking Assistant**	Java, Spring Boot, NLP, Maven, JSON	• Developed an intelligent voice-based banking assistant that enables users to perform banking operations such as account balance inquiry, transaction history, fund transfers, and bill payments using natural language voice commands. • The assistant integrates AI-driven speech recognition and natural language understanding to provide a seamless and interactive banking experience.
6	**Micro Loan Management System**	Java, Spring Boot, Hibernate, MySQL, REST APIs, Maven	• Designed and implemented a microloan management system that streamlines loan application, approval, disbursement, and repayment processes for small-scale borrowers. • The system automates interest calculation, due date reminders, and repayment tracking.

Education

Bachelor of Engineering (Computer Science and Engineering)
Priyadarshini Engineering College, Anna University
CGPA: 8.02 | 2020 – 2024

Higher Secondary Certificate (HSC)
Universal Matriculation Higher Secondary School, Jolarpet
Percentage: 61% | 2019 – 2020

Certifications

Certificate	Institution & Dates
Java Programming Masterclass	Udemy (June, 2025)
SQL & Relational Databases	IBM Developer Skills Network (July, 2024)
T24 TEMENOS Transact	Udemy (Aug, 2025)
Full Stack Web Development	GUVI (September 2023)
Cybersecurity Fundamentals	Udemy (December 2023)
Introduction to Networks	CISCO Networking Academy
TCS iON Career Edge	Communication & Interview skill (June 2024)
AI for Everyone	DeepLearning.AI (Coursera)
Prompt Engineering for LLMs	DeepLearning.AI (Coursera) LLAMA
Introduction to Generative AI	Google Cloud Skills Boost

Additional Information

- Open to relocation and available for immediate joining.
- Actively expanding expertise in **Artificial Intelligence**, focusing on chatbot development and generative AI technologies.
- Continuously upskilling in **Spring Boot** and **RESTful API** development to strengthen backend capabilities and scalable architecture design.