# RITIK AGRAWAL

SOFTWARE ENGINEER

## CAREER SUMMARY

Adept Software Engineer with a proven track record at LTIMINDTREE and as a freelancer, specializing in Java, Spring Boot, and Python. Innovatively automated processes, enhancing efficiency by 20% and significantly reducing latency in web applications. Demonstrates strong problem-solving skills and a commitment to excellence, leveraging both technical and collaborative abilities to deliver impactful solutions.

## PROFESSIONAL EXPERIENCE

**Software Engineer**

LTIMINDTREE, Mumbai, India | January 2023 – Present

- Successfully **proposed** and developed a bot using Java to automate priority-based incident assignments in ServiceNow. This **initiative** prevented SLA breaches, thereby **protecting the company from significant reputational loss and around 0.4 million monetary loss.**
- Developed an automatic ticket resolution process using ABAP for SAP security modules, **increasing team efficiency by 20%.**
- Collaborate with security consultants to gather requirements and develop custom applications for report generation and table creation, **aiding the migration from ECC to SAP S/4HANA.**
- **Contributed** to the development of the company's **GEN AI Portal - SAP Composer AI** for profile maintenance prompts, utilizing process mining tools such as ProM and PM4Py to analyse processes and support decision-making.
- Technology Used: Java , Spring Boot, ABAP.

## PROJECTS

**Secure Notes Application**

Mumbai, India | December 2024

- Developed a Secure Notes application using **Spring REST, Spring Security, OAuth, Multifactor Authentication, and React.**
- Key features include user registration, login, note management, OAuth via Google/GitHub, multifactor authentication, and admin functionalities.
- Integrated AI to summarize audio files and create notes.

## CONTACT

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## EDUCATION

**Madhav Institute of Technology & Science, Gwalior, Madhya Pradesh ,India | May 2023**

*Bachelor of Technology (GPA: 8.4/10.0)*

## RELEVANT SKILLS

Data Structure & Algorithms

System Design

Object Oriented Programming

Microservices

AWS(Amazon Web Services)

Kafka

Docker

Java

SQL & No SQL

React JS

- Technologies used: Spring REST, Spring Security, React, JWT, CSRF protection.
- **Demo Link**:- https://www.linkedin.com/feed/update/urn:li:activity:728128268734 2964737/

## Price Comparison Google Chrome Extension

Mumbai, India | August 2024 – September 2024

- Built a Google Chrome extension to compare prices across different e-commerce platforms.
- **Reduced latency by 70%** by using client-side JavaScript injection technique as compared to Python backend code using BeautifulSoup for data scraping.
- Developed a UI to display the final result , dynamically decides which platform results will appear.
- **Technology Used: -**  Python, Javascript, HTML, CSS
- **Project Link**: - gitlab.com/ritikagrawal047/pricecomparisonextension

## Online Krishi Mandi

Mumbai, India | May 2024 – July 2024

- Developed the web application backend to facilitate farmers in tracking their crop data seasonally, providing notifications based on current market trends, and predicting crop prices.
- **Implemented Observer, and Strategy design patterns** for managing user roles, sending real-time notifications, and optimizing pricing strategies.
- **Integrated  Swagger UI** for clear API documentation.
- **Technology Used:** - Java, Spring Boot, MySQL, GitLab, Docker, Swagger.
- **Project Link:** - gitlab.com/design-thinker1/online-krishi-mandi/-/tree/master

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SOLID Principles

Design Patterns

## LANGUAGES

ENGLISH

HINDI

## CERTIFICATIONS

Design Patterns, Udemy

Cloud Introduction, Coursera