RITIK AGRAWAL

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B.Tech.

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Mumbai,India

GitLab

Madhav Institute of Technology & Science

LinkedIn

CAREER SUMMARY

Adept Software Engineer with a proven track record at LTIMINDTREE , 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

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Madhav Institute of Technology & Science	8.4	2019-23
Senior Secondary	Guru Nanak Higher Secondary School	88%	2018-19
Secondary	Guru Nanak Higher Secondary School	92%	2016-17

SKILLS

- **BackEnd**: Java, Python
- **FrontEnd**: HTML+CSS, ReactJS
- **Database**: MySQL, MongoDB, PostgreSQL
- **FrameWorks**: MERN Stack, SpringBoot,Django
- **VersionControl/Deployment Tools**: GitHub, GitLab, Docker, AWS, Kafka
- **Programming/Development** : Data Structures & Algorithms, System Design, Object Oriented Programming, Microservices, Design Patterns, SOLID Principles

EXPERIENCE

- **LTIMindtree**   *June 2023 - Present*
  Software Engineer   *Mumbai, India*
  - **Role:** Software Engineer
  - **Activities:**
    - **Prevented SLA breaches and saved 0.4 million** by developing and implementing a Java-based bot to automate priority-based incident assignments in ServiceNow, significantly enhancing operational efficiency and protecting the company's reputation.
    - **Increased team efficiency by 20%** through the development of an automatic ticket resolution process using ABAP for SAP security modules, streamlining workflows and reducing manual intervention.
    - Collaborated closely with security consultants to gather requirements and develop custom applications for report generation and table creation, **facilitating the seamless migration from ECC to SAP S/4HANA.**
    - Contributed to the **development of the company's GEN AI Portal - SAP Composer AI**, by utilizing process mining tools such as ProM and PM4Py to analyze processes, support decision-making, and enhance profile maintenance prompts.
  - **Technologies Used:** Java, Spring Boot, ABAP

PROJECTS

- **Secure notes application**
  Your notes companion
  - 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.
  - Technologies used: Spring REST, Spring Security, React, JWT, CSRF protection, AWS Elastic BeanStalk, AWS S3

  Demo Link: https://www.linkedin.com/feed/update/urn:li:activity:7281282687342964737/

- **Online Krishi Mandi**
  Bridge between farmers and buyers
  - Facilitated farmers in tracking their crop data seasonally, provided notifications based on current market trends, and predicted crop prices.
  - Implemented Factory, Observer, and Strategy patterns for managing user roles, sending real-time notifications, and optimizing pricing strategies.
  - Designed the system for maintainability and scalability with loosely coupled code.

– Technology Used: Java, Spring Boot, MySQL, GitLab,Docker

GitLab: https://gitlab.com/design-thinker1/online-krishi-mandi/-/tree/master

- **Price Comparison Google Extension**
  An extension that helps in comparing product prices in real-time across various e-commerce platforms
  – 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

Extension: https://gitlab.com/ritikagrawal047/pricecomparisonextension

- **Ecommerce Platform**
  Platform for raising funds for an NGO
  – Developed an e-commerce platform to provide e-commerce services to users.
  – Created an interactive UI, used Redux Toolkit for state management, and implemented an admin dashboard to add, update, delete, and retrieve products.
  – Implemented JWT Authentication to secure the login and registration processes.
  – Technology Used: MongoDB, ReactJS, Node.js, Express, Redux, Render, GitHub

Demo Link: https://agrawal-ritik-frontend-ecommerce-ngo.onrender.com/

CERTIFICATIONS

- **Design Patterns & SOLID Principles**: Gained a thorough understanding of the need for and application of SOLID principles and design patterns across the industry.
- **Introduction to Cloud Computing**: Learned the needs, uses, and benefits of cloud technology. Successfully deployed a api testing project on IBM Cloud.

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