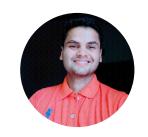
# ANIL KUMAR

## Senior Software Engineer

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### **SUMMARY**

Results-driven Software Engineer with specializing in designing and implementing scalable, high-performance backend systems. Proven track record of building complex event-driven architectures using MongoDB Change Streams and Kafka for real-time data processing. Demonstrated ability to design and maintain RAG (Retrieval-Augmented Generation) pipelines with advanced validation logic for milestone events. Strong problem-solving skills and a commitment to producing maintainable, secure, and efficient code.

#### **EXPERIENCE**

### Senior Software Engineer

#### **Airtel**

# 07/2022 - Present ♀ Gurgaon, India

- · Worked on event-based update architecture on the Airtel Thanks for Business (ATB) Platform, optimizing order tracking efficiency.
- · Enhanced event accuracy to 99% through advanced techniques, ensuring reliable updates in order tracking.
- Worked on migration of the platform from Spring Boot 2 to 3 and Java 8 to 21, ensuring compatibility and leveraging modern features.
- Worked on config-based end-to-end product onboarding on ATB, enabling streamlined product management.
- Built an RAG Al Agent for analyzing and categorizing error events, improving incident classification and resolution.

#### **PROJECTS**

### Flutter News App (NewsAPI & YouTubeAPI)

**=** 05/2021 - 07/2021

- Architected and Developed: Led the high-level design and implementation of complex application features, ensuring seamless integration of NewsAPI and YouTubeAPI for real-time news and video updates.
- Maintenance and Support: Established robust maintenance procedures, including log file management, database table updates, and optimization of stored procedures for efficient app performance.

#### Android Vision Improvement System

**=** 02/2021 - 03/2021

- Enhanced Accessibility for the Visually Impaired: Our solution empowers blind individuals with real-time text-to-speech conversion, enabling them to read any text aloud instantly, making printed materials, digital text, and labels
- Comprehensive Environmental Awareness: The device not only detects Indian currency for secure transactions but also assesses room lighting conditions, ensuring users can confidently navigate their surroundings.

### Phishing Website Detection Chrome Extension

**m** 03/2022 - 04/2022

- Real-Time Phishing Detection: Analyzes URLs entered in the search bar and instantly identifies if the website is a phishing site using a trained model via FastAPI.
- FastAPI Integration: Securely communicates with a FastAPI backend that hosts a trained machine learning model for accurate phishing detection.
- Interactive User Notification: Displays the detection result in a popup window, providing clear feedback to the user.

### **EDUCATION**

Bachelor of Technology in Computer Science & Engineering

Maulana Azad National Institute of Technology **Bhopal (NIT Bhopal)** 

#### SKILLS

#### Languages

C/C++ J		Java F		Python		PHP	
JavaScri	pt	SQ	L	HTML		css	

ools & Tech	nology		
SpringBoot	Kafka	Solace	
RabbitMQ	Mongo	DB MySo	QL_
Kibana	Jenkins	Grafana	Flutter
Django	Bootstrap		

### **KEY ACHIEVEMENTS**



### **Airtel Ace Award**

Recipient of 5 times 'Airtel Ace Award' at Airtel for exceptional performance in system efficiency improvements.



#### **Order Tracking Optimization**

Achieved 99% event accuracy, enhancing order tracking reliability significantly.



#### **Platform Performance Enhancement**

Successfully migrated platform to Java 21, enhancing 25% performance efficiency.

# LANGUAGES

LANGUAGES			
<b>English</b> Advanced	••••		
<b>Hindi</b> Native	••••		