

# ANIL KUMAR

## Senior Software Engineer

+91-6266803923 ak2697291@gmail.com linkedin.com Mathura, Uttar Pradesh



### 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 AI 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 easily accessible.
- 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

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)

07/2018 - 05/2022 Bhopal, India

### SKILLS

#### Languages

C/C++ Java Python PHP

JavaScript SQL HTML CSS

#### Tools & Technology

SpringBoot Kafka Solace

RabbitMQ MongoDB MySQL

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

#### English

Advanced



#### Hindi

Native

