ANIL KUMAR

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PROFESSIONAL SUMMARY

Focus on building reliable, scalable, and maintainable backend systems. Experience with event-driven architectures, real-time pipelines, and AI-driven solutions. Work includes improving system accuracy, modernizing platforms, and enhancing performance.

EDUCATION

Maulana Azad National Institute Of Technology (NIT),Bhopal
BTech in Computer Science and Engineering
CGPA: 8.30/10.0

Graduation: **May 2022**

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, PHP, HTML, CSS
Frameworks: Spring Boot, Flutter, Django, Bootstrap, FastAPI
Queues: RabbitMQ, Kafka, Solace
Databases: MongoDB, MySQL
Tools: Jenkins, Grafana, Kibana, Git

WORK EXPERIENCE

Senior Software Engineer

Airtel, Gurgaon, India   **July 2022 – Present**

- Worked on event-based update architecture on the **Airtel Thanks for Business Platform**, optimizing order tracking efficiency by **35%**.
- Enhanced event accuracy from **85%** to **99%** through advanced validation techniques, ensuring reliable updates in order tracking.
- Led Platform migration from **Spring Boot 2 to 3** and **Java 8 to 21**, improve runtime performance by **20%**, reducing technical debt, and enabling adoption of modern language features.
- **Automated config driven product onboarding**, cutting setup time for new products by **70%** and reducing manual errors, enabling the business team to launch **5 new products** faster.

PROJECTS

Flutter News App | Dart, Flutter, FirebaseDB, Youtube API, News API
- **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 with <2s latency.
- **Maintenance and Support**: Improved database efficiency by 30% through stored procedure optimization and automated log file cleanup, ensuring smooth app performance.

Android Vision Improvement System | Java, Python, Android Studio
- **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 with latency < 1s.
- **Comprehensive Environmental Awareness**: Integrated Indian currency recognition with 95% detection accuracy and lighting assessment, enabling secure transactions and safer navigation.

Phishing Website Detection Chrome Extension | Python, FastAPI
- **Real-Time Phishing Detection**: Built a Chrome extension achieving 92% phishing detection accuracy using a trained ML model hosted 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.