**Rohit kashyap**  
Email: yourname@gmail.com | Phone: +91-9876543210  
LinkedIn: linkedin.com/in/yourname | GitHub: github.com/yourname  
Location: Bangalore, India

**PROFESSIONAL SUMMARY**

Seasoned AI Engineer with 15+ years of experience in AI, Machine Learning, and Generative AI. Expertise in developing and deploying state-of-the-art AI solutions, including LLM-based systems, RAG-powered search engines, and AI-driven cybersecurity applications. Proficient in leveraging cloud platforms, big data technologies, and AI frameworks for building scalable and high-performance AI products. Passionate about driving innovation through AI-powered automation and real-time analytics.

**TECHNICAL SKILLS**

* **Languages:** Python, Java, Scala, SQL
* **AI/ML Frameworks:** TensorFlow, PyTorch, Hugging Face Transformers, LangChain
* **Generative AI Models:** GPT, BERT, T5, BART, Llama, Claude
* **Big Data & Streaming:** Apache Kafka, Spark, Flink, Hadoop, NiFi
* **Databases:** MongoDB, Elasticsearch, PostgreSQL, MySQL, Redis
* **Cloud Platforms:** AWS (S3, Lambda, SageMaker, Bedrock), GCP, Azure AI
* **Vector Search & RAG:** FAISS, Pinecone, Weaviate, ChromaDB
* **DevOps & MLOps:** Docker, Kubernetes, MLflow, Airflow, CI/CD
* **Visualization & Analytics:** Tableau, Power BI, Plotly, Matplotlib

**PROFESSIONAL EXPERIENCE**

**Senior AI Engineer**

**XYZ Technologies, Bangalore, India**  
**Jan 2020 – Present**

* Led the development of an **AI-powered search engine** utilizing **multi-modal RAG with vector search** for enhanced document retrieval and contextual understanding.
* Designed and deployed a **Streaming LLM-based chatbot** for real-time conversational AI leveraging Apache Kafka and LangChain.
* Built a **Document Summarization System** using fine-tuned **BART and T5 models**, reducing manual effort by 70% for legal and financial documents.
* Architected a **Finance AI Copilot**, integrating **real-time fraud detection** and **market trend analysis** using Spark Streaming, Kafka, and Databricks.
* Developed a **Generative AI for Cybersecurity** framework for AI-driven threat detection and automated security analysis.
* Optimized AI model inference pipelines using **ONNX and TensorRT**, improving performance by 3x.

**AI & ML Architect**

**ABC Solutions, Pune, India**  
**May 2015 – Dec 2019**

* Spearheaded the **Social Media Sentiment Analysis** project using Apache Flink and Elasticsearch for real-time brand monitoring.
* Built a **Customer Behavior Analysis system for e-commerce**, utilizing Kafka, NiFi, and Spark to process clickstream data for personalized recommendations.
* Designed a **Predictive Analytics system for supply chain optimization**, implementing Hadoop/Spark and MongoDB to enhance demand forecasting.
* Led an **Algorithmic Trading Platform**, integrating AI-based market trend prediction models using LSTMs and reinforcement learning.

**AI Engineer**

**DEF Analytics, Hyderabad, India**  
**Aug 2010 – Apr 2015**

* Developed a **Speech-to-Text Model** using DeepSpeech for call center automation.
* Created an **AI-powered Resume Screening Tool** using NLP and Transformers, reducing hiring time by 50%.
* Implemented **Chatbot solutions for customer support**, integrating GPT-based models for automated query resolution.

**EDUCATION**

**Master of Technology (M.Tech) - Artificial Intelligence & Machine Learning**  
Indian Institute of Technology (IIT), Mumbai | 2010

**Bachelor of Engineering (B.E) - Computer Science**  
National Institute of Technology (NIT), Trichy | 2008

**CERTIFICATIONS**

* AWS Certified Machine Learning – Specialty
* Google Professional Data Engineer
* Microsoft Certified: Azure AI Engineer Associate

**PROJECTS & RESEARCH**

* **AI Personal Assistant:** Built a smart AI assistant by orchestrating **LLMs, RAG, and AI tools** for productivity enhancement.
* **Real-time Fraud Detection System:** Implemented **Confluent Kafka, Databricks, and MongoDB** for detecting fraudulent transactions in finance.
* **AI-driven Code Generator:** Designed a generative AI-powered tool for automating software development and debugging.

**PUBLICATIONS & TALKS**

* Speaker at **India AI Summit 2024** on **“Next-Gen AI: RAG, Agentic AI, and Beyond”**
* Research paper on **“Enhancing Search Efficiency with Multi-modal RAG”**, published in IEEE Xplore.

**PERSONAL PROJECTS & OPEN-SOURCE CONTRIBUTIONS**

* Maintainer of **LLM Optimization Toolkit**, an open-source project for fine-tuning LLMs efficiently.
* Contributor to **Hugging Face Transformers**, improving model training performance and inference speed.
* Developed **AI-based Resume Parser**, leveraging NLP for automated candidate screening.

**EXTRACURRICULAR & LEADERSHIP**

* Mentor at **India AI Community**, guiding professionals in AI/ML career paths.
* Conducted workshops on **LLM Fine-tuning and Prompt Engineering**.
* Active member of **TensorFlow User Group India**.