Kushagra Wadhwa

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GitHub
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SUMMARY

Technologist with a passion for solving complex user problems and leading products from idea to impact. Proven ability to own the lifecycle of production-grade AI solutions, from identifying user needs and architecting features. Combines hands-on AI engineering experience with a strong entrepreneurial drive to guide products from conception to launch.

EDUCATION

- **Bachelor of Technology in Artificial Intelligence and Machine Learning** *2021–2025*
Guru Gobind Singh Indraprastha University, New Delhi CGPA: 8.4

TECHNICAL SKILLS

Languages: Python, JavaScript
AI/ML: Generative AI, RAG Pipelines, Hugging Face, OpenAI API, MCP, NLP, Machine Learning
Frameworks Platforms: FastAPI, Flask, REST APIs, Microsoft Teams Bot Framework
Databases Vector DBs: SQL, MongoDB, Pinecone, ChromaDB, Elasticsearch
Automation Orchestration: Apache NiFi, n8n

WORK EXPERIENCE

- **ShorthillsAI** *July 2025 – Present*
Software Engineer Gurugram, Haryana
  - Owned the complete product lifecycle of the "HR Resume Assistant" an AI-powered bot deployed on Microsoft Teams to streamline recruitment workflows for HR professionals.
  - Led the design of core features including **AI-driven** resume generation and semantic candidate search, and architected the user experience using Microsoft Teams Adaptive Cards to create an intuitive interface.
  - Spearheaded the development of the core **Generative AI** engine for a "**Real-Time Earnings Call Intelligence Platform**," an internal tool for financial analysts.
  - Engineered features for real-time speaker identification, summarization of key financial segments, and automated alert generation, directly enabling fund managers to make faster, data-driven decisions.
  - Currently leading an automation initiative for the **DataDog** platform to generate enhanced analysis reports for a key client, aiming to provide deeper observability and actionable insights.

- **ShorthillsAI** *Feb 2025 – June 2025*
Software Engineer Intern Gurugram, Haryana
  - Developed foundational automation workflows using Apache NiFi and n8n, which became the backend engine for the HR Resume Assistant Bot, proving the business case for the full product.

- **ProdigalAI** *Sep 2024 – Nov 2024*
AI Project Intern Remote
  - Developed a RAG based chatbot for helping users get effective relevant answers from their unstructured documents

- **Deutsche Telekom Digital Labs** *Jun 2024 – Aug 2024*
Data Scientist Intern Gurugram, Haryana
  - Led the design of a non-LLM document parser to solve data extraction challenges, achieving over 95% coverage from complex HR forms and delivering a real-time analytics dashboard to stakeholders using Streamlit.

PROJECTS

- **Smart Learning Engine with RAG and Vector Search** *Python, Pinecone, Langchain, FastAPI*

  * Addressed poor content discoverability for users on an educational platform by designing a smart retrieval system that mapped queries to syllabus topics using semantic similarity.
  * Owned the technical strategy, using Pinecone for high-speed vector search across video and article embeddings to deliver the single most relevant piece of content, measurably improving user satisfaction.

- **LLM-Powered Sales Assistant with Voice Integration** *OpenAI Whisper, RAG, ChromaDB*

  * Identified a key challenge for sales teams: needing instant, accurate answers during live customer calls.
  * Led the creation of a voice-enabled AI assistant that fetches information from internal product manuals using a RAG architecture, empowering sales reps with context-aware responses and reducing customer query handling time.

CERTIFICATIONS & ACHIEVEMENTS

GATE DA 2025 (AIR 663) | **Diploma in Programming and Data Science** - IIT Madras (2024)
Postman API Fundamental Student Expert (2023)