HARSH GIDWANI

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SUMMARY

Driven AI & Data Science student with hands-on experience in real-world ML projects. Skilled in building production-grade AI tools and automating workflows. Seeking opportunities to apply technical skills in impactful, forward-thinking environments.

WORK EXPERIENCE

AI & Automation Intern, Stark technologies Media Services Pvt Ltd   **June - August 2025**

WooCommerce GST Chatbot
- Developed a live virtual assistant for a client's website to resolve customer queries in real-time.
  Tech Used: FastAPI, Helicone, LangChain, RAG, Next.js

Automated Web Crawler
- Built a scalable data extraction tool for government forms, streamlining data entry and improving accuracy.
  Tech Used: Python, Scrapy, Playwright, Airflow, BeautifulSoup, MongoDB

Enterprise RAG Chatbot
- Implemented a secure, low-latency Retrieval-Augmented Generation chatbot for internal enterprise knowledge access.
  Tech Used: LangChain, Pinecone, AES-256 Encryption

Government Chatbot (PMC)
- Created a citizen-facing chatbot to improve accessibility to public services and reduce support overhead.
  Tech Used: FastAPI, React.js, Drupal API, MongoDB, JWT Auth, REST APIs

AI Document Verifier
- Designed an AI system to authenticate 15+ document types with 98% accuracy, reducing manual effort by 75%.
  Tech Used: YOLO, OpenCV, PyTesseract, Flask, MongoDB

AI Voice Agent & Analytics Dashboard
- Automated appointment booking and lead generation using voice agents and a dynamic dashboard for insights.
  Tech Used: Twilio, GPT-4, Whisper, ElevenLabs, React, Node.js, n8n

Automated Government Form Labeler
- Built a tool to extract handwritten dates and subjects from unlabelled government PDFs using OCR and summarization, auto-generating document labels for streamlined organization.
  Tech Used: YOLO, OpenCV, PyTesseract, n8n, FastAPI, MongoDB

PROJECTS

Full-Stack Financial Management Application

- Built **full-stack** financial platform with **JWT** authentication, real-time analytics, and admin dashboard, achieving **99.9% uptime** and **45ms** query response time.
- Implemented **PWA** with **role-based access** control and optimized performance, reducing bundle size by 60% and improving user engagement by 40%.
- Deployed on **Vercel** with **MongoDB Atlas**, supporting multi-user operations with enterprise-grade security and automated CI/CD pipelines.

GrowAI - AI Powered Marketing Automation Platform

- Developed a full-stack SaaS integrating advanced AI for automated content, image, and video generation, enabling end-to-end marketing workflows for startups.
- Engineered secure authentication, scalable database architecture, and multi-API orchestration (Google GenAI, Cloudinary, Replicate) for real-time campaign management.
- Delivered production-ready solution with modern UI, role-based access, and analytics dashboard, reducing manual marketing effort by over 70%.

YouTube Video Summarizer

- Developed a web app that summarizes YouTube videos by extracting transcripts and generating concise overviews.
- Integrated Hugging Face transformer models (BART/T5) and YouTube API for real-time summarization.
- Built with Streamlit for a responsive UI and deployed for public use.

IMDB Sentiment Analysis

- Fine-tuned a BERT model on the IMDB dataset to classify sentiment with over 90% accuracy.
- Used Hugging Face Transformers and visualized model predictions using attention heatmaps.
- Showcased explainable AI through interpretable token-level sentiment attribution.

EDUCATION

Integrated B.Tech in AI & Data Science   **Aug 2023 - Present**
MIT World Peace University (MIT-WPU) — Aug 2025 – May 2029
- Currently enrolled in a 6-year integrated Diploma + B.Tech program.
- Specialization in Artificial Intelligence, and Data Science.

JSPM, Blossom School   **June 2012 - April 2023**
SSC & HSC │ Grades 1–10 — June 2012 – April 2023
- Completed foundational schooling with a focus on mathematics and science.

ADDITIONAL INFORMATION

- **Technical Skills:** AI/ML Development, LangChain, RAG, Python, FastAPI, React.js, OpenCV, Flask, MongoDB
- **Languages:** English, Marathi, Hindi, Sindhi
- **Certifications:** TensorFlow Developer Certificate, CS50x (Harvard), Generative AI with Transformers (Hugging Face)
- **Awards/Activities:** Secured 7th rank in MIT-WPU College Ideathon 2024