SHIVANGI DWIVEDI

AI Engineer | Generative AI & RAG | NLP Research | Applied ML
dwivedishivangi198@gmail.com | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

AI engineer and software developer focused on LLM applications, RAG, and data analytics. Co-Founder of Shivru AI, contributing to OCR, structured extraction, medical-legal retrieval, and evidence citations. Experience in low-resource NLP data collection, LLM evaluation, Power BI analytics, and Django-based machine learning applications.

TECHNICAL SKILLS

Languages: Python, C, C++, SQL **AI / ML:** LLMs, RAG, AI Agents, NLP, Prompt Engineering
Frameworks & data: Django, Flask, FastAPI, REST APIs, PostgreSQL, MySQL, Qdrant, Supabase
Cloud & tooling: AWS, Azure, Google Cloud, Docker, Airflow, Git, GitHub
Analytics: Power BI, EDA, KNIME, Excel / Google Sheets, Model Evaluation

EXPERIENCE

Co-Founder | Shivru AI **2026 - Present**
- Contributed to OCR, structured extraction, retrieval, and evidence citations for medical-legal documents.
- Supported medical chronology, billing reconciliation, missing-record checks, and citation verification.

Software Developer | UDDKRS Private Limited **Feb 2023 - Present**
- Developed algorithmic trading logic and trading bots to automate trading workflows.
- Worked on AI-based algorithms and predictive models to support data-driven trading decisions.

Business Development Executive | Digitalpathway (Part-time, Remote) **Aug 2026 - Sep 2026**
- Drove B2B lead generation and client outreach across ePublishing, EdTech, eLearning, and software solutions.
- Identified client needs and partnership opportunities across accessibility and resource augmentation services.

SELECTED PROJECTS & RESEARCH

FMCG | Business Intelligence & Profitability Analysis Project
- Analyzed a 190,740-record FMCG portfolio dataset (14 columns); built Power BI dashboards across 10 brands, 5 regions, and 4 sales channels.
- Identified promotion and stock-allocation opportunities using 90.82% fill rate and 25.73% sell-through; recommended actions to support profitability.

Machine Learning | Predictive Analysis & Recommendation Systems GitHub
- Cleaned and prepared a dataset of 1,000,000 rows and 102 columns; built and evaluated predictive ML models and integrated model inference into a Django application.
- Built movie and music recommendation systems using ML, LLMs, and RAG; explored EV predictive analysis.

Deal Rescue Queue | AI Deal-Risk Monitor (Ampersand + Jev) GitHub
- Built a FastAPI deal-risk monitor using 4 typed Jev judgments per deal; added human review, two-step approval, and idempotent HubSpot updates through Ampersand.

Sambalpuri NLP | Low-Resource Language Research
- Collected and organized data for shared research on an approximately 20K-example Odia-Sambalpuri-English resource; compared LLM outputs to support model selection.

Advotac | Evidence-Grounded Legal Copilot GitHub
- Built a Django/Supabase legal-workspace prototype with 768-dimensional embeddings, page-cited RAG chat, chronology, and bill reconciliation; pitched at IITM Nirman.

EDUCATION & ACHIEVEMENTS

IIT Madras | BS in Data Science and Applications | 2024 - 2029 (Expected)

Jagran Lakecity University | B.Tech, Artificial Intelligence | 2024 - 2028 (Expected)

Winner: All India Fintech Hackathon, NIT Bhopal; BSSS Innovation Competition, Ergonomic Design Project.

Certifications: Data Ethics; DPDP Act 2023; GDPR; Neural Networks with PyTorch (IIT Madras); Compassion-A-Thon 3.0 (IIT Madras).