

Harsh Mohan Abhang

Agentic AI — LLM — RAG — Multi-Agent Systems

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SUMMARY

MCA student at VJTI specializing in AI-driven solutions, LLM integration, and scalable backend systems. Experienced in developing production-ready chatbots, multi-agent systems, and ML-powered applications. Skilled in Python, SQL, and data visualization, with proven ability to deliver measurable impact through automation, analytics, and user-centric software development.

EDUCATION

Veermata Jijabai Technological Institute (VJTI), Mumbai 2024 – Present
MCA – Master of Computer Applications (Ongoing)

Pillai College of Art, Commerce and Science 2021 – 2024
Bachelor of Science in Computer Science CGPA: 9.3

EXPERIENCE

- **Software Developer Intern — Preparo Analytics** Dec 2024 – Present
 - Spearheaded CRM system development in Django for lead and application management.
 - Automated workflows, CP tagging, and dashboards, boosting counselor efficiency by 25%.
 - Integrated lead scoring, campaign tracking, and notifications to improve conversion rates.
- **Jr. Software Developer — Han Pan Data Safe Pvt. Ltd** Jun 2024 – Nov 2024
 - Designed PostgreSQL schemas and Django models for high-volume ingestion (10k+ records/day).
 - Optimized queries reducing ingestion latency by 30%.
 - Delivered UI/UX improvements leading to higher client adoption rates.
- **Software Developer Intern — Han Pan Tech LLP** Jul 2023 – May 2024
 - Developed intelligent document processing and web applications using Django.
 - Researched OCR for scanned text extraction and implemented REST APIs for operations.
 - Increased automation test coverage by 40% across internal tools.
- **Machine Learning Intern — TEACHNOOK** Mar 2023 – Apr 2023
 - Built ML model (Random Forest, Logistic Regression) to predict diabetes with 85%+ accuracy.
 - Preprocessed/visualized data using Pandas, Seaborn, Matplotlib; documented insights in Jupyter.

PROJECTS

- **InsightGenie: Automated Data Analyst Agent (CrewAI + Gemini API)** (In Progress)
 - Built multi-agent pipeline: DataLoader, DataCleaner, EDAAgent, VizAgent, ReportAgent.
 - Integrated Gemini API for AI-driven insight generation from EDA outputs.
 - Produced automated reports (PDF/HTML) with plots, summaries, and business insights.
- **TPO Chatbot for VJTI**
 - Production-ready Telegram chatbot with Django backend + Gemini API.
 - Implemented vector-based semantic search on placement policies and FAQs.
 - Added OTP-based authentication, policy browsing, company insights, and 24/7 student support.
- **TrendSense: Forex & Crypto Trend Prediction Bot**
 - Developed automated trading insights bot using Python, Alpha Vantage API.

- Implemented RSI, EMA, MACD strategies; detected bullish/bearish crossovers with 70%+ accuracy.
- Integrated Telegram API for real-time trading alerts and strategy updates.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Java, HTML, CSS

Frameworks: Django, Flask

Databases: PostgreSQL, MongoDB, MySQL, SQLite

ML/DL: Scikit-Learn, TensorFlow, Transformers, NLP, Model Tuning, Pandas

Tools: Google Cloud, AWS (Basics), GitHub, Power BI, Tableau

CERTIFICATIONS

Comprehensive Training Program in Data Science and Analytics

ETL Hive

Data Science Bootcamp

Udemy

Understanding Blockchain Technology

Udemy