



Harsh Mohan Abhang

Roll No.: 242010001

MCA — Master of Computer Applications

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OBJECTIVE

MCA student at VJTI with a strong academic foundation and hands-on internship experience in data-driven technologies. Skilled in Python, SQL, Power BI, and machine learning, with a passion for transforming data into actionable insights. Eager to apply analytical thinking and technical expertise in a collaborative environment, while gaining real-world experience in data analytics and business intelligence.

EDUCATION

•Veermata Jijabai Technological Institute (VJTI)

2024 – Present

MCA – Master of Computer Applications

CGPA : 7.11

•Pillai College of Arts, Commerce and Science

2021 – 2024

Bachelor of Science in Computer Science

CGPA: 9.3

EXPERIENCE

•Preparo Analytics

Dec 2024 – May 2025

Software Developer Intern

Remote

- Spearheaded development of a scalable CRM system using Django.
- Built modules for CP tagging, role-based dashboards, and automated workflows.
- Integrated lead scoring, notifications, and campaign tracking.
- Worked in agile sprints improving UI/UX.

•Han Pan Data Safe Pvt. Ltd

Jun 2024 – Nov 2024

Jr. Software Developer

On-Site, Panvel

- Took on full-time responsibilities involving backend development, system improvements, and client-focused enhancements
- Focused on high-volume ingestion, backend features, and UI enhancements.
- Implemented new features and optimized user interface elements to deliver a more intuitive and user-friendly experience.

•Han Pan Tech LLP

Jul 2023 – May 2024

Software Developer Intern

On-Site, Panvel

- Researched about various OCR platforms
- Worked on intelligent document processing systems and added features
- Contributed to automation scripts and testing.

•TEACHNOOK

Mar 2023 – Apr 2023

Machine Learning Intern

Remote

- Built diabetes prediction model using Scikit-Learn.
- Used Pandas, Seaborn, Matplotlib, and trained with Random Forest and Logistic Regression.
- Documented insights and model results in Jupyter Notebook using classification metrics.
- Trained and evaluated Logistic Regression and Random Forest models (achieved 85 percent + accuracy).

PERSONAL PROJECTS

•TrendSense: Real-Time Forex Crypto Trend Bot

2025

Built Python bot with RSI, EMA, MACD logic and Alpha Vantage API

- Developed an automated trading insights bot using Python, Alpha Vantage API, and financial analysis.
- Integrated with Telegram API to deliver real-time alerts and strategy updates to users.
- Implemented decision logic to detect bullish/bearish crossovers and overbought/oversold signals
- Unified web Telegram interface for strategy updates.

•TPO Chatbot for VJTI

2025

Built a RAG system using Gemini embeddings and vector search for intelligent responses.

- Implemented semantic search over placement policy documents using vector embeddings.
- Supported OTP auth, category-wise queries, company data.
- Improved 24/7 student access reduced TPO workload.
- Ingested VJTI placement policy documents and FAQs, parsed and stored them in a Django model with embeddings for semantic retrieval.

CERTIFICATIONS

- Comprehensive Training Program in Data Science and Analytics, ETL Hive, Vashi (Offline)
- Data Science Bootcamp, Udemy (Online)
- Understanding Blockchain Technology, Udemy (Online)

TECHNICAL SKILLS

- **Languages :** Python, JavaScript, SQL, Java, HTML, CSS
- **Frameworks/Libraries :** Django, Flask
- **Databases :** PostgreSQL, SQLite, MySQL
- **libraries :** Scikit-Learn, pandas , numpy
- **Tools/Cloud :** Power BI, Tableau, GitHub