

YASH DIPESH MODI

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PROFESSIONAL SUMMARY

AI Agent Developer with hands-on experience in designing, building, and deploying LLM-powered AI systems for real-world applications. Strong expertise in Retrieval-Augmented Generation (RAG), backend orchestration, prompt engineering, and end-to-end AI workflow automation. Solid foundation in Machine Learning and Deep Learning, with proven ability to translate business requirements into scalable, production-ready AI solutions. Experienced in collaborating with cross-functional teams and delivering reliable, enterprise-aligned AI systems.

CORE TECHNICAL SKILLS

Programming & Frameworks

- Python (Pandas, NumPy, Scikit-learn)
- TensorFlow, Keras, PyTorch

AI Agents & LLM Systems

- Large Language Models (LLMs)
- Retrieval-Augmented Generation (RAG)
- Prompt Engineering & Context Management
- Agent Orchestration & Response Optimization

Machine Learning & Statistics

- Supervised & Unsupervised Learning (Regression, Classification, Clustering)
- Ensemble Techniques (Bagging, Boosting)
- Statistical Analysis & Descriptive Mathematics

Deep Learning & AI

- Neural Networks
- Transformer Architecture & Model Deployment
- LLM Deployment & System Handling

Databases & Data Engineering

- MySQL, MongoDB
- Data Querying, Transformation, and Integration

Backend & System Integration

- RESTful API Development
- SMTP-based Email Automation
- End-to-End AI Pipeline Orchestration

Data Visualization & BI Tools

- Power BI
- Tableau
- Microsoft Excel

Development Environments

- Jupyter Notebook
- Google Colab
- MySQL Workbench
- Visual Studio Code

Web Scraping

- BeautifulSoup
- Scrapy

PROFESSIONAL EXPERIENCE

AI Agent Development Intern

Hex Wireless Pvt. Ltd. | Oct 2025 – Present

- Designed and developed LLM-powered AI agents for automated, context-aware query handling.
- Implemented Retrieval-Augmented Generation (RAG) pipelines integrating structured and unstructured data sources to improve response accuracy and minimize hallucinations.
- Built backend orchestration APIs to manage end-to-end AI agent workflows.
- Automated AI-generated email responses through SMTP integration.
- Optimized AI outputs using advanced prompt engineering techniques.
- Tested, debugged, and optimized AI pipelines to ensure production-grade stability and low failure rates.
- Collaborated with cross-functional teams to convert business requirements into deployment-ready AI agent solutions.

Data Science Intern

Larsen & Toubro | Jul 2025 – Sep 2025

- Analyzed large-scale infrastructure datasets to support planning and operational decision-making.

- Developed interactive Power BI dashboards to track KPIs, improving decision-making speed by 30%.
- Automated data cleaning, preprocessing, and transformation using Python and Excel, reducing manual effort by 40%.
- Worked closely with on-site engineering teams to identify bottlenecks and propose data-driven optimizations.

IT Data Analyst Intern

Technetic IT Services | May 2025 – Aug 2025

- Performed data cleaning, transformation, and validation on multi-source datasets using Python and Excel.
- Conducted Exploratory Data Analysis (EDA) to identify trends, anomalies, and performance drivers.
- Built Power BI dashboards to track KPIs such as customer acquisition, churn, and sales conversion.
- Generated weekly and monthly reports for business and marketing teams.
- Improved data quality by 25% by identifying inconsistencies and implementing corrective measures.

Data Analyst Intern

Edunet Foundation | Dec 2024 – Jan 2025

- Analyzed datasets from multiple sources to extract actionable insights for business and education stakeholders.
- Designed interactive Power BI dashboards, reducing report generation time by 40%.
- Automated data preprocessing and reporting workflows, improving efficiency by 25%.
- Delivered data-driven insights that improved student engagement and retention metrics.

ACADEMIC PROJECTS

AI-Powered RAG-Based Email Automation & Intelligent Query System

Oct 2025 – Present

- **Objective:** Automate user query resolution and email responses using LLMs.
- **Approach:** Designed an LLM-driven AI agent integrated with RAG; built backend pipelines for query handling, response generation, and SMTP-based email delivery.
- **Impact:** Enabled accurate, context-aware responses with reduced hallucinations, improving operational efficiency.

Data-Driven Sales Recommendation & Performance Analytics System

Dec 2025 – Jan 2026

- **Objective:** Analyze sales data and generate actionable business recommendations.
- **Approach:** Conducted EDA and applied analytical and ML techniques to identify performance drivers.
- **Impact:** Supported data-backed sales strategy optimization and improved campaign planning.

Mutual Fund Performance Analysis Using ML & Analytics

Jun 2025 – Jul 2025

- **Objective:** Analyze and predict mutual fund performance for informed investment decisions.
- **Approach:** Evaluated 200+ mutual funds using financial metrics; built ML models and interactive dashboards.
- **Impact:** Delivered clear fund rankings and risk-aware investment insights.

EDUCATION

- **Bachelor of Computer Engineering** – C.K. Pithawala College of Engineering and Technology (2022–2026) | CGPA: 9.0
- **HSC (Science)** – Citizen High School (2020–2022) | 60.53%
- **SSC** – St. Xavier's High School (2009–2020) | 86.30%

CERTIFICATIONS

- Code Unnati Foundation & Advanced Program – ML, Deep Learning, Computer Vision, IoT, SAP ABAP (BTP)
- PwC Power BI Job Simulation – Dashboarding & Business Reporting
- Accenture Data Analytics & Visualization (Forage)

- Tata Data Visualization (Forage)
- JP Morgan Data Analytics (Forage)
- Python for Data Science – Infosys Springboard
- Oracle Database Certification – SQL Fundamentals

SOFT SKILLS

- Analytical Problem Solving & Structured Thinking
- Cross-Functional Collaboration
- Stakeholder Management
- Strong Communication & Presentation Skills
- Research-Oriented Mindset
- Adaptability & Continuous Learning

INTERESTS & ACHIEVEMENTS

- Creative Writing (Shayari & Poetry), Dancing, Sketching, Vlogging
- Reading Books, Music, Sports (Badminton, Cricket)
- Winner – Cultural Dance Competition (College, 1st & 3rd Year)
- Winner – Inter-College Drama Competition (2nd Year)
- State-Level Basketball Player (School Level)

DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.

Place: Surat

Name: Yash Dipesh Modi