

# NIKITA PATIDAR

nikitapatidar957@gmail.com | <http://in/patidar-nikita183> | <https://github.com/nikitapatidar> | portfolio

## Professional Summary

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Data Scientist with 1.5+ years in Machine Learning and GenerativeAI, proficient in Open AI and Hugging Face technologies, creating scalable AI solutions that enhance efficiency, improve accuracy, foster innovation, and deliver measurable business value

## Technical Skills

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- **Programming Language :** Machine Learning (ML), Deep Learning (DL) , Natural Language Processing (NLP), Computer Vision, EDA, Generative AI, Large Language Model (LLM), LangChain, Agentic Frameworks (CrewAI,LangGraph), Prompt Engineering, Python, Flask, DSA
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & Tools:** AWS, Azure, Hugging Face, OpenAI APIs, LangChain, , Pandas, NumPy
- **Others:** Data Visualization, Git

## Work Experience

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- Data Scientist**, Xalt Analytics pvt. ltd 02/2024 – Present | Indore,India
- Mentored 2 junior data scientists, coaching them on prompt engineering, pipeline optimization, and model fine-tuning to ensure scalable AI deployment.
  - Delivered 76–85% model accuracy with Q-Gen, an AI-powered question generation system, producing high-quality math assessments that reduced content creation time by 60%.
  - Partnered with 4 data scientists to architect scalable NLP workflows, standardizing processes and improving cross-campaign reliability.
  - Reduced manual effort by 70% and boosted engagement by 30% with xSmart across 1+ clients.
  - Eliminated all spreadsheet workflows with Query Engine (CrewAI), improving decision-making by 40% and reducing errors by 35%.
  - Led cross-functional team of 5 engineers and analysts in deploying scalable LLM-based predictive models on Azure.

## Projects

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- Query Insight Engine**, Xalt Analytics Ltd Pvt. Indore 05/2025 – 08/2025
- Automated advanced media planning and analytics using CrewAI, OpenAI APIs, and PostgreSQL, streamlining 1K+ campaign queries monthly through natural language querying and agent-driven AI analysis, deploying solutions on the Hypermindz platform.
  - Transformed spreadsheet-heavy processes through automation, enhancing decision-making speed by 40% and lowering error rates by 35%.
  - Engineered the Query Insight Engine, seamlessly integrating Automation-driven Natural Language Processing (NLP) for real-time data exploration and scenario modeling, accelerating overall business intelligence workflows by 50%.
- Xsmart – Automated Email Generator**, Xalt Analytics Ltd Pvt. Indore 01/2025 – 04/2025
- Developed a scalable AI-driven email generation platform leveraging LangChain, OpenAI API, HuggingFace, and Groq, automating personalization for 2K+ user profiles and improving campaign efficiency by 40%.
  - Reduced manual workload by 60% and boosted personalized, data-driven engagement by 30% by leveraging AI to extract insights from diverse data sources (PDFs, links, text)..
  - Enabled integrated email delivery and performance tracking, capturing key metrics (open rate, click-through rate, engagement) and improving overall campaign ROI by 25%.
- Q-Gen – Online Question Bank Generator**, Xalt Analytics Ltd Pvt. Indore 03/2024 – 12/2024
- Designed and deployed an AI-driven platform that generated 3K+ advanced math problems monthly with detailed, LaTeX-rendered solutions, integrating LangChain, Hugging Face, OpenAI, and SSMS for end-to-end automation.
  - Improved accuracy from 76% to 85%, substantially enhancing reasoning quality, reliability, and overall content generation efficiency by 40%.
  - Engineered a scalable, intelligent online question bank generator with advanced NLP capabilities, boosting automation by 50%, precision by 25%, and consistency across all outputs.

## Education

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08/2020 – 05/2024  
Bachelor of Technology (B.Tech) in Computer Science | Sushila Devi Bansal College of Technology, Indore | 8.45/10 CGPA