



# PRINCE VASANI

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## PROFESSIONAL EXPERIENCE

<b>Generative AI Engineer Intern, FutureSmart AI</b> 	03/2025 – present Mumbai, India
Working on innovative Generative AI projects bridging natural language and structured data. Key contributions include:	
<ul style="list-style-type: none"><li>• <b>Multi-Agent Systems:</b> Built with LangChain, LangGraph &amp; FastAPI for real-world problem solving</li><li>• <b>RAG &amp; NL2SQL:</b> Enabled natural language querying through intelligent pipelines</li><li>• <b>Semantic Search:</b> Developed deep retrieval solutions using vector databases</li><li>• <b>API Integration:</b> Enhanced agent capabilities with external tool and data APIs</li><li>• <b>Rapid Prototyping:</b> Leveraged AI-first IDEs (e.g., Cursor) and models like ChatGPT, Claude, Gemini</li><li>• <b>Community Contributions:</b> Authored technical blogs and interactive AI demos</li></ul>	
Driving innovation at the intersection of language, reasoning, and real-time AI systems.	
<b>Full Stask Engineer Intern, CasePoint Pvt Ltd.</b> 	01/2025 – 03/2025 Surat, India
Worked across the full development lifecycle to build scalable, maintainable web applications. Tech stack included:	
<ul style="list-style-type: none"><li>• <b>Backend:</b> .NET Core MVC &amp; Web API</li><li>• <b>Frontend:</b> JavaScript, jQuery, Kendo UI</li><li>• <b>Database:</b> PostgreSQL (raw SQL, no Entity Framework)</li><li>• <b>Tools:</b> Redis &amp; RabbitMQ (real-time), Elasticsearch (search)</li></ul>	
Contributed to several end-to-end systems:	
<ul style="list-style-type: none"><li>• <b>Task Management</b> – Team collaboration with notifications</li><li>• <b>Contact Management</b> – Dynamic client/contact platform</li><li>• <b>EduTech Pro</b> – Course and user management portal</li><li>• <b>Library System</b> – Digital catalog and inventory tracker</li><li>• <b>CarRent Pro</b> – Car rental system with real-time features</li></ul>	
Gained hands-on experience in RESTful APIs, debugging, and scalable system design.	
<b>Data analytics, Quarkal</b>	06/2024 – 09/2024 Bengaluru, India
<ul style="list-style-type: none"><li>• Technologies Used: Apache Superset, SQL</li><li>• Description: During my internship, I created a dynamic dashboard using SQL and Apache Superset used SQL to process data and Apache Superset to turn it into clear, interactive visualizations.</li><li>• The dashboard provides key metrics and allows users to explore trends through filters and drill-down features, addressing various analytical needs.</li><li>• This project improved my skills in data manipulation and visualization, as well as my understanding of real-world data challenges and business intelligence tools.</li></ul>	

## EDUCATION

<b>B.E In Information Technology, Government Engineering College, Bhavnagar</b>	2021 – 2025
<ul style="list-style-type: none"><li>• (08. CGPA)</li><li>• Relevant Coursework: Object Oriented Programming, DBMS, Operating Systems.</li></ul>	

## Skills

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### Python

Pandas, Numpy, SciPy, PyTest, Scikit-Learn, Statsmodels, Plotly, matplotlib, seaborn, NLTK, spacy, TensorFlow, Keras, PyTorch, hugging face, FastApi, Langchain, langgraph

### Mathematics

Statistics, Hypothesis Testing, Linear Algebra, Multivariate Statistics, Kernel Methods, Information Theory, Statistical Learning Theory, Probability, Calculus, Trigonometry, General Aptitude.

### Techniques and Algorithms

Supervised Learning, Unsupervised Learning, Regression, Classification, Time Series Analysis, Dimensionality Reduction, Artificial Neural Networks (ANN), Recurrent Neural Networks (RNN), Long Short-Term Memory (LSTM), NLP (Natural Language Processing), BERT (Bidirectional Encoder Representations from Transformers), fine-tuning, LLM, MCP

### Applications and Database

Amazon Web Services (AWS), Azure, SQL, Docker, Kubernetes, Git/Github, MS Excel, PostgreSQL, Apache Superset, Redis

## Languages Known

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### Gujarati

(Mother Tongue)

### English

### Hindi

## Certificates

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**Machine Learning Specialization**, *Coursera Course*

## Hackathon

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### Odoo Combat 2024, Gandhinagar

- Round-01 (Online): Problem, PostMediCare: Manage Health Efficiency of Diabetes Patient - M, 29'June
- Selected for Final round with 150 teams
- Final Round (Offline): Problem, Library Management System WebApp, 1'July
- Secured the position in Top 10

### (Winner-HealthCare Track) Hack The Mountains 2024, Gandhinagar

- In this project, I helped build a machine learning model that predicts if a diabetes patient will need to be readmitted to the hospital within 30 days or not.
- I also developed an AI chatbot that answers healthcare-related questions and created a MealScan feature.
- MealScan lets users scan their meals to check if they are healthy or not. These tools aim to improve patient care and reduce readmission rates.

## Projects

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### ChatSQL, *Technologies Used: LangChain, StreamLit* [↗](#)

ChatSQL is an AI-powered chatbot that lets users interact with SQL databases using natural language. Built with LangChain, it simplifies complex SQL queries, making database management and analysis easy and efficient

### Business Transformer, *Technologies Used: Multi-Agent, LLM, StreamLit, Crewai* [↗](#)

Multi-agent AI system acts as a research assistant, analyzing a company's goals and industry to identify AI opportunities using technologies like GenAI. It provides actionable resources, including datasets and tools, to deliver practical, tailored solutions.

**Fit Finder,** *Technologies Used: Rag, LLM, SreamLit, LangChain* [↗](#)

This tool simplifies candidate evaluation by integrating generative AI with traditional development techniques. It automates resume analysis and video interview evaluation, offering insights into a candidate's suitability for a role. Built using Python, LangChain, Streamlit, and other key technologies, the project provides a seamless and efficient workflow for managing every stage of the recruitment process.

**AIDRP AI Driven Diabetes Readmission Prevention,**

*Technologies Used: SreamLit, LangChain, CatBoost, ML* [↗](#)

AIDRP is an AI-driven platform that predicts and reduces 30-day hospital readmission rates for diabetes patients, enhanced by the Gemini API. It features an AI assistant for diabetes care questions and MealScan, which analyzes meal images for nutritional information. By leveraging EHR data from 100,244 diabetes patients, AIDRP improves care quality, reduces costs, and minimizes medical waste.