

# Jayesh Pramod Patil

📞 +91-9096380075 ✉ patiljayesh6908@gmail.com  [LinkedIn](#)  [GitHub](#)  [Portfolio](#)

## SUMMARY

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Curious and analytical individual with a strong drive to learn, adapt, and apply emerging technologies to real-world challenges. Passionate about understanding systems deeply, solving complex problems, and building data-driven or software-based solutions that create real impact. Continuously exploring new tools and concepts across data science, AI, and software development to grow both technically and creatively.

## SKILLS

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**Programming Languages:** Python, SQL, HTML, CSS

**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau

**Machine Learning & AI:** Scikit-learn, TensorFlow, Computer Vision, NLP

**Tools & Platforms:** MySQL, GitHub, Flask

**Soft Skills:** Communication, Teamwork, Problem-solving, Time Management

## EDUCATION

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**Sinhgad Academy of Engineering, Pune**

*Bachelor of Engineering in Computer Science (CGPA: 7.89/10.0)*

**2021 – 2024**

*Pune, Maharashtra*

## WORK EXPERIENCE

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**Gamaka Intellectual Machine**

**Dec 2023 – June 2024**

*Data Analyst Intern*

*Pune, Maharashtra*

- Analyzed structured and unstructured datasets using **Python**, **SQL**, and **Excel** to generate actionable business insights.
- Developed interactive dashboards using **Power BI** and **Tableau** to support strategic decision-making.
- Performed data cleaning, transformation, and visualization in **Jupyter Notebook** to improve reporting accuracy and operational efficiency.
- Collaborated with team members to gain insights and practical knowledge related to data analysis and reporting processes.

## PROJECTS

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Document Chatbot using OpenAI and RAG

**2025**

- Developed an AI-powered chatbot that allows users to query legal PDF documents, including scanned image-based files, and receive accurate, context-based responses.
- Integrated Retrieval-Augmented Generation (RAG) with OpenAI GPT-4, LangChain, and FAISS for document retrieval and response generation.
- Implemented OCR pipelines using Tesseract, PyMuPDF, and pdfplumber to extract text from image-based legal PDFs.
- Collaborated with a team to deploy a secure Flask-based web application for a client, enabling automated document understanding and Q&A.

Hotel Reservation Cancellation Predictor

**2025**

- Built a predictive model to identify potential booking cancellations, helping hotels reduce revenue loss and optimize operations.
- Applied data preprocessing, feature engineering, and model training using Python, Pandas, and Scikit-learn.
- Deployed an interactive Flask-based web interface for real-time cancellation risk prediction and business insights.

## CERTIFICATIONS

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Diploma in Full Stack Data Science & AI — Gamaka AI Solution

Introduction to Data Analytics — Simplilearn SkillUp

Introduction to Data Science — Infosys Springboard