

VISHAL PRAJAPATI

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PROFESSIONAL SUMMARY

I am **Vishal Prajapati**, a tech enthusiast and problem solver with expertise in data engineering, full-stack development, and product management, passionate about building scalable, impactful IT solutions.

EDUCATION

UNIVERSITY OF MUMBAI – Mumbai, India
Bachelor of Science in Information Technology

2020 - 2023
CGPA: **9.22/10.0**

SKILLS

- **Areas of Expertise:** Product Data Management, Deep Learning With AI, NLP, Data Science, Data Analytics, Data Harvesting, Predictive Analytics, Generative AI, Automation, Computer Vision
- **Soft Skills:** Good Communication, Adaptability, Reliable and Consistent, Rapport Building, Cross-functional collaboration
- **Programming Languages:** C, C++, C#, php, Python, Go, JavaScript, HTML/CSS, MySQL, PostgreSQL, MongoDB
- **Frameworks:** Scrappy, FastAPI, Django, Django REST Framework, React JS, Scikit-learn, TensorFlow, Keras, PySide6
- **Technical Tools:** Excel, Figma, Git & GitHub, Tableau, Power BI, Elasticsearch

WORK EXPERIENCE

KOMPASS INDIA PRIVATE LIMITED – Mumbai, India | [Link](#)

Data Engineer

October 2023 – April 2025

Kompass India is a global leading provider of innovative B2B data and digital marketing solutions to buyers, research, sales and marketing teams worldwide. As part of a fast-paced startup tech team, leading projects end-to-end while mentoring junior team members.

- Conducted international virtual meetings and gathered technical information from the Technical Head to facilitate the development of systems and software.
- Collaborated with **2+ cross-functional teams** to define project scopes, ensuring alignment with business objectives.
- Developed an API using the **Kompass API** key to interact with the Compass Database, enabling seamless data updates and creation.
- Designed and implemented a high-performance bidirectional **LSTM** deep learning model for gender classification based on names, achieving industry-leading **92.45% accuracy** and demonstrating expertise in Deep learning applications.
- Built automated data extraction tools (emails, phone numbers, addresses) using Python, Scrappy, and BeautifulSoup, reducing manual effort by **50%**.
- Mentored junior team and led weekly progress meetings to present work reports and align stakeholders on project milestones.

FREELANCE DEVELOPER PROJECT EXPERIENCE

Alienous AI – Mumbai, India | [Link](#)

Self-Employed

Jun 2025 – Present

- Developed **HealixQure**, a comprehensive desktop application providing AI-powered medicine information and **Advanced QR scanning** capability multiple formats with real-time camera processing.
- Engineered real-time medical **AI chatbot** leveraging Google Gemini API to provide structured medication insights including dosage, side effects, and safety information. **Tech Stack:** Python, PySide6, API, NLP, Computer Vision, Prompt Engineering. [\(Link\)](#)

PROJECTS

CustomCraft - Mumbai, India

May 2025 – September 2025

- Built and deployed an **e-commerce platform** for custom electronics, allowing users to configure devices and compare vendor pricing.
- Implemented a workflow for customization, vendor selection, and order confirmation with add-to-cart and **secure payment**, deployed on **Render**.
- **Tech Stack:** React JS, MongoDB, Render. [\(Link\)](#)

MailMorph - Mumbai, India

January 2025

Engineered a bulk email verification system that validates email addresses through syntax checks, MX record validation, and SMTP server testing, achieving **95%+ accuracy** in identifying active/inactive addresses.

- Developed Excel automation to process thousands of records, generating email's different variations from names/domains using pandas data pipelines.
- Improved speed and accuracy with multi-threaded batch processing (100 emails/batch), reducing time by **18%**.
- Built GUI interface with Tkinter featuring quick verification (single email) and bulk processing modes with detailed logging.
- **Tech Stack:** Python, Pandas, smtplib, dnspython, Tkinter, Excel Automation, Multithreading. [\(Link\)](#)

GenderTagger - Mumbai, India

February 2025

Engineered an AI-based gender classification system using BERT and Hugging Face Transformers to automate salutation (Mr./Ms.) generation from first names with trained **dataset** with **99.99% of accuracy**.

- Developed a Python data pipeline with pandas for processing Excel datasets, incorporating robust error handling and Excel I/O for scalable batch processing. Achieved a **50% reduction** in manual data tagging time and improved communication accuracy by minimizing human bias.
- **Tech Stack:** Python, Hugging Face Transformers (BERT), pandas, Excel I/O, Error Handling, LLM. [\(Link\)](#)

VInvite - Mumbai, India

December 2021 - February 2023

- Developed a search engine platform with categorized news feeds, voice recognition, and secure user authentication with multi-user support.
- Built multiple APIs using Python, Django, and web scraping (requests, BeautifulSoup) to extract real-time data.
- **Tech Stack:** Python, Django, BeautifulSoup, Requests, Figma, Voice Recognition. [\(Link\)](#)

CERTIFICATION

Google Cloud Big Data and Machine Learning Fundamentals | [Certificate](#)
Generative AI and LLMs: Architecture and Data Preparation | [Certificate](#)
Generative AI with Large Language Models | [Certificate](#)
Foundations of User Experience (UX) Design | [Certificate](#)
Machine Learning with Python | [Certificate](#)

May 2025
January 2025
January 2025
April 2023
January 2025