

PROFESSIONAL SUMMARY

I am **Vishal Prajapati**, Tech enthusiast and problem solver with expertise in data engineering, software development, and product management. Passionate about innovation, I focus on enhancing data processes, building scalable solutions, and driving impactful outcomes in the IT industry.

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, Data Science, Data Analytics, Data Harvesting, Predictive Analytics, Generative AI, Automation
- **Soft Skills:** Good Communication, Adaptability, Reliable and Consistent, Rapport Building, Cross-functional collaboration
- **Programming Languages:** C, C++, C#, Python, JavaScript, HTML/CSS, MySQL
- **Frameworks:** Scrappy, Django, Scikit-learn, TensorFlow, Keras
- **Technical Tools:** Excel, Figma, Git & GitHub

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.
- Managed multiple concurrent high-priority projects with exceptional organizational skills, consistently meeting deadlines while maintaining rigorous quality standards.
- Developed an API using the Kompass API key to interact with the Kompass 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.
- Created an intelligent Email Lead Generation Tool that automatically identified and notified clients through both generic and executive email channels, significantly improving outreach efficiency and conversion rates.
- Leveraged Generative AI and prompt engineering to automate repetitive tasks, saving significant time across workflows by **35%**.
- Streamlined data collection and reporting processes, cutting processing time by **20%** through Python-based automation.
- Built automated data extraction tools (emails, phone numbers, addresses) using Python, Scrappy, and BeautifulSoup, reducing manual effort by **50%**.
- Documented and designed the complete system architecture for key projects, creating detailed technical specifications and API documentation to ensure maintainability and knowledge transfer.
- Demonstrated expertise in working with large-scale datasets while implementing data engineering best practices for efficiency, security, and compliance.
- Developed optimized data pipelines and warehouse solutions that improved data accessibility and reduced query times for analytics teams.
- Mentored junior team members to enhance their work and align them with project vision.
- Led weekly progress meetings to present work reports and align stakeholders on project milestones.

PROJECTS

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.
- Integrated DNS resolution (dnspython) and SMTP protocols to validate domain configurations and mailbox existence.
- **Tech Stack:** Python, Pandas, smtplib, dnspython, Tkinter, Excel Automation, Multithreading.

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 **99.99% 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.

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