

Arnav Bhomia

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EDUCATION

Manipal Institute of Technology, Udupi, IN Bachelor of Technology in Electrical & Electronics Engineering	2022 - 2026
N. K. Bagrodia Public School, Dwarka, New Delhi, IN Class XII, Central Board of Secondary Education	2021 86.8 %
N. K. Bagrodia Public School, Dwarka, New Delhi, IN Class X, Central Board of Secondary Education	2019 88.2 %

TECHNICAL SKILLS

- **Programming Languages:** SQL, Python
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Libraries:** Pandas, NumPy, Scikit-learn
- **Tools:** Advanced Excel, Google Analytics, MATLAB, Git, Jupyter Notebooks

PROJECTS

Zomato Data Analysis & Predictive Modeling Project Link: github.com/arnavbhomia/zomato_data_analysis	Oct 2025 – Nov 2025
<ul style="list-style-type: none">• Engineered an analysis-ready dataset from 9,500 raw entries by performing data cleaning, scoping, and transformation.• Proved a statistically significant link between Table booking and higher ratings using a T-test, validating a key EDA insight.• Built and evaluated a Linear Regression model, quantifying that Votes can explain 41.3% (R-squared) of a restaurant's rating.• Developed a K-Means Clustering model to perform market segmentation, successfully identifying 4 distinct business clusters.	
Tech Stack: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn	
Consumer Growth Analytics Project Link: github.com/arnavbhomia/consumer_growth_analytics	Sep 2025 – Oct 2025
<ul style="list-style-type: none">• Performed end-to-end ETL on a 3,900-record dataset, imputed missing values, and constructed segmentation features.• Executed 16 advanced SQL (PostgreSQL) queries to analyze customer segments, identifying that male customers drove 68% (\$157.9K) of revenue and "Young Adults" were the top-earning segment (27% of revenue).• Created a Power BI dashboard to track KPIs (\$233K Total Revenue, \$59.76 AOV), revealing that non-subscribers (73% of customers) generated 2.7x more revenue than subscribers and Express users had a 3.5% higher AOV.	
Tech Stack: SQL, PostgreSQL, Power BI, Python, Pandas, Git, GitHub	
SarpBhasha: Standalone Python Translator Project Link: github.com/arnavbhomia/sarpbhasha	Aug 2025 – Oct 2025
<ul style="list-style-type: none">• Developed a standalone desktop application, featuring a custom-designed, theme-aware (Light/Dark mode) GUI.• Integrated multiple external libraries and APIs to provide real-time translation, language auto-detection, and TTS capabilities.• Managed the full software development lifecycle (SDLC), from library selection to final packaging, delivering a single, distributable .exe installer for Windows using PyInstaller.	
Tech Stack: Python, CustomTkinter, deep-translator (API), gTTS, PyInstaller, Git, GitHub	

EXPERIENCE

Convexicon, Gurgaon, IN Summer Intern	Jun 2025 – Jul 2025
<ul style="list-style-type: none">• Performed large-scale analysis of thousands of business support queries to identify common patterns and user intent, providing the data foundation for an automated AI-powered chatbot.• Engineered data-driven answers by implementing Retrieval-Augmented Generation (RAG) techniques to query a central knowledge base, significantly improving the relevancy of context-aware responses.• Designed and refined core system logic for more effective user intent recognition, which directly contributed to a measured improvement in chatbot response efficiency and accuracy.• Mapped and optimized the complete end-to-end project data flow, spanning from initial user query processing through to the final data-driven answer generation phase.	
Technologies: Python, Pandas, LangChain, Hugging Face, ChromaDB	

CERTIFICATIONS

- **Google Data Analytics Professional Certificate** Issued by Google
- **SQL (Advanced) Certificate** Issued by HackerRank
- **HTML, CSS, and JavaScript for Web Developers** Issued by Johns Hopkins University