

# Bhargey Kaneriya

## Data Scientist

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### Summary:

As a recent graduate in Electronics and Communication, I have developed strong expertise in data processing, data analysis, and scripting languages like Python. I possess a solid understanding of SQL, NoSQL, and Tableau, enabling me to navigate diverse data scenarios. My proficiency in applying statistical and analytical techniques allows me to extract valuable insights from datasets. I am enthusiastic about utilizing my skills and knowledge to contribute to data-driven solutions within a challenging role.

### Professional Experience:

Designation	Institute	Duration
Assistant Export Manager (Intern)	Aarti trading co. (Junagadh)	Jan 2021 — Feb 2021
AI/ML (Intern)	BHARAT TECH	June2023–Till Date

### Academic Qualifications:

Degree	University / Institute	Duration	Specialization	CGPA
B.Tech	VIT (Chennai)	2019-2023	Electronics & Communications	7.32
Intermediate	N P bhalodiya	2017-2019	Intermediate	76%
GSEB	Eklavya public	2016-2017	Secondary Education	89%

### Technical Skills :

- **Python** : Intermediate level coding,Framework(Django)
- **Database**: Structure( MySQL,PostGreSQL), NonStructural (Pymongo)
- **Visualizations**: Tableau, Matlib plot,Seaborn
- **Frontend** : Html, CSS, bootstrap, Node. js
- **Machine learning**: Hugging Face transformer ( Falcon, LLama,Alpaca)

### Honours & Affiliations:

- Best Outgoing for 2022, Cricket team(captain) VIT University.

## Projects:

### ***Analyse Energy Consumption in Buildings (Machine learning & Anomaly Detection)***

- Using AI analytics and machine learning, this project analyses building energy efficiency, forecasting future consumption, and identifying anomalies. It offers a user-friendly web service for data uploading, result visualization, and access to helpful user manuals. It aims to empower users with actionable insights for optimizing energy usage and improving building efficiency.

**Data Handling and Analysis:** formidable, fs, readFileSync | **Data Visualization:** Matplotlib

**Database:** Mysql12 | **Machine Learning:** Scikit-learn, LSTM

### ***Two-Stage Attention-Based Ensemble Network for Driver Fatigue and Distraction Detection (Computer vision & Deep learning)***

- An advanced Two-Stage Attention-Based Ensemble Network was developed for accurate driver fatigue and distraction detection. By integrating Resnet50 and Linear CNN models with a CBAM attention module, exceptional accuracies of 99.80% (binary) and 99.864% (multiclass) were achieved. This approach enhances feature extraction and improves the overall performance of the detection system.

**Data Handling and Analysis:** Pandas, NumPy | **Data Visualization:** Matplotlib, Seaborn

**Deep Learning:** Keras, TensorFlow, | **Pre-trained Models:** Resnet50

**Custom Architectures:** Google Net, Custom CNN | **Machine Learning:** Scikit-learn

### ***Predictive Employee Attrition Analysis (Machine learning & Deep learning)***

- Implemented advanced machine learning models including Decision Trees, Random Forests, and XGBoost for accurate employee attrition prediction, achieving an accuracy of 92%. Proficient in data pre-processing, hyper parameter tuning, and model interpretation for actionable insights.

**Data Handling and Analysis:** Pandas, NumPy | **Data Visualization:** Matplotlib, Seaborn

**Machine Learning:** Scikit-learn, XGBoost, Keras, TensorFlow, PyTorch | **Web Development:** Django, Heroku

## Certifications:

### ***MICROSOFT-CERTIFIED AZURE FUNDAMENTALS (2022)***

- The 2022 Microsoft-Certified Azure Fundamentals course offered a comprehensive overview of Azure's core concepts, services, management tools, cloud security, compliance, pricing, support, governance, monitoring, and integration, equipping learners for effective Azure utilization in business solutions.

### ***CERTIFICATE FOR COMPLETION OF ADVANCED CPP TRAINING***

- Intensive program enhancing C++ skills beyond basics, covering advanced topics like templates, exception handling, and multithreading, enabling participants to develop complex software applications effectively.