

# Barathkumar

Location: Bengaluru

Data Analyst | Data Scientist

Phone: +91 9345273442 | LinkedIn: [linkedin.com/in/barathkumar229/](https://www.linkedin.com/in/barathkumar229/) | GitHub: [github.com/barathkumar229](https://github.com/barathkumar229) | Email: [barathkuma234@gmail.com](mailto:barathkuma234@gmail.com)

## SUMMARY

Data Scientist with hands-on experience in machine learning, predictive modeling, and data analysis using Python, Pandas, and Scikit-learn. Built models that improved forecasting accuracy and efficiency, turning complex datasets into actionable business insights.

## TECHNICAL SKILLS

**Programming Languages:** Python, SQL

**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn

**Machine Learning & AI:** Scikit-learn, Regression, Classification, Supervised Learning, Unsupervised Learning, Predictive Modeling, LLMs, TensorFlow

**Analytics Skills:** Statistical Analysis, Exploratory Data Analysis (EDA), Data Interpretation, Trend Analysis, Feature Engineering

**Web & App Development:** Flask

**Version Control & Tools:** Git, GitHub, Jupyter Notebook, vs code, PyCharm

## PROJECTS

### 1. Google Stock Predictor Application (AI & Machine Learning) | [Live app](#)

- Developed an AI model predicting Google stock prices with 92% accuracy, outperforming baseline models by 15%.
- Processed 5+ years of historical data, improving model efficiency and reducing training time by 30%.
- Built a Flask dashboard with real-time data and interactive charts for 100+ daily users.

### 2. AI-Powered Sentiment Analysis on YouTube Comments (ML and LLM) | [Live app](#)

- Implemented an AI/ML system to classify YouTube comments as Positive, Negative, or Neutral on a 69,000-comment dataset.
- Achieved 90% model accuracy and used LLMs to generate concise Positive, Negative, and Overall sentiment summaries.
- Built an interactive dashboard for real-time sentiment visualization and insights; integrated YouTube Data API and deployed on Render.

### 3. Bengaluru Traffic Analysis (Data Analyst) | GitHub: [github.com/barathkumar229/Bengaluru-Traffic-Analysis](https://github.com/barathkumar229/Bengaluru-Traffic-Analysis)

- Examined 1M+ traffic data points to identify congestion patterns, reducing projected bottlenecks by 20%.
- Performed EDA and trend analysis using Python (Pandas, NumPy, Matplotlib, Seaborn) to generate actionable insights.
- Created interactive visualizations to help city planners make data-driven traffic management decisions.

## Work Experience

Chennai

Jan 2025 - Mar 2025

**Data Analyst Intern | Zeex AI**

- Performed data collection, cleaning, and analysis, generating reports that improved client operations by 30%.
- Conducted statistical analysis and visualization, enabling data-driven decision-making for business optimization.
- Delivered data-driven insights that increased workflow efficiency by 60% and strengthened strategic planning.

## Education

Chennai

2021 - 2025

**Velammal Institute of Technology**

B.Tech in Artificial Intelligence and Data Science (CGPA:8.1)

## CERTIFICATIONS

- AWS Certified Machine Learning - Specialty
- Google Data Analyst