

# Keerthi Shivapur

## Data Scientist

Aspiring **Data Scientist / Machine Learning Engineer** skilled in Python, SQL, Machine Learning, Deep Learning, and NLP. Experienced in developing **end-to-end ML pipelines** — from data preprocessing to deployment using Flask, Streamlit, Docker, and AWS. Passionate about building **AI-driven solutions** that create measurable impact in healthcare, education, and business intelligence.



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github.com/KeerthiShivapur

## SKILLS

Programming & Data:  
Python (Pandas, NumPy,  
Scikit-learn), SQL

ML & AI:  
Supervised/Unsupervised  
Learning, Deep Learning  
(TensorFlow), NLP

Visualization: Tableau,  
Power BI

Mathematics for ML:  
Statistics, Probability,  
Linear Algebra, Calculus  
(basics)

Cloud & Tools: AWS  
(Basics), Docker, MLflow,  
Git

## LANGUAGES

English  
*Professional Working Proficiency*

Kannada  
*Native or Bilingual Proficiency*

## STRENGTHS

Strong foundation in  
ML, DL, and MLOps  
pipelines

Fast learner, adaptable,  
and focused on AI-  
driven problem-solving.

## EDUCATION

### B.E. Computer Science & Engineering Bapuji Institute of Engineering & Technology

12/2022 - 05/2026

Davangere

Courses

▫ CGPA: 9.1/10

### PUC

#### Sri vidyaniketan PU College

04/2020 - 05/2022

Hagaribommanahalli

Courses

▫ Percentage-98%

## CERTIFICATES

IBM Data Science Professional Certificate| Coursera (04/2025)

Mathematics for Data Science & GenAI| Udemy (05/2025)

Complete Data Science, ML, NLP & DL Bootcamp| Udemy (07/2025)

Machine Learning A-Z: AI, Python & R + ChatGPT| Udemy (04/2025)

## PROJECTS

### End-to-End Network Security System (08/2025 - 09/2025)

- Built phishing website detection using 30+ URL/domain features.
- Automated preprocessing & model training (Random Forest, Gradient Boosting, Logistic Regression).
- Deployed on AWS EC2 with Docker, integrated MLflow for experiment tracking.
- Improved detection accuracy to 92%, reducing false positives.
- [https://github.com/KeerthiShivapur/Network\\_Security](https://github.com/KeerthiShivapur/Network_Security)

### End to End Student Performance Indicator (03/2025 - 04/2025)

- Designed ML pipeline predicting student outcomes using demographic & lifestyle data.
- Trained Random Forest, CatBoost, XGBoost with hyperparameter tuning.
- Deployed as a Flask web app for real-time prediction.
- Achieved  $R^2 = 0.89$ , enabling early identification of at-risk students.
- <https://github.com/KeerthiShivapur/Student-Performance-Indicator>

### Wine Quality Prediction (01/2025 - 02/2025)

- Built classification pipeline (Logistic Regression, Random Forest, XGBoost).
- Created Flask app with interactive frontend.
- Demonstrated full ML lifecycle: preprocessing → evaluation → deployment.
- <https://github.com/KeerthiShivapur/WineQualityPrediction>

### Customer Churn Prediction Model (11/2024 - 12/2024)

- Developed ML model achieving 85% accuracy for churn prediction.
- Deployed via Streamlit, enabling real-time business insights.
- <https://github.com/KeerthiShivapur/Customer-Churn-Prediction>

## REFERENCES

Sharath Ellur – Software Quality Engineer, Moback Technology  
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