

# LIYA S CHITTIAPPILLY

Python Developer

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## ABOUT ME

Computer Science Engineering student at Vidya Academy, passionate about machine learning and Python development. I enjoy building intelligent, real-world solutions from scratch. Driven by curiosity, consistency, and a mission to make tech meaningful.

## EDUCATION

### VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY

B.Tech in Computer Science Engineering

Kerala, India

August 2023 – July 2027

## SKILL SUMMARY

- Languages: Python, C, HTML, CSS
- Frameworks: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, OpenCV
- Platforms: VS Code, Google Colab, PyCharm, Jupyter Notebook
- Soft Skills: Creativity, Fast Learner, Teamwork, Public Speaking

## PROJECTS

### Machine Learning

- Titanic Survival Prediction: Predicted passenger survival using Logistic Regression on demographic and class features.
- Boston Housing: Analyzed housing prices with Multiple Linear Regression and evaluated using  $R^2$  metrics.
- Stock Price Prediction App: Flask-based app predicting stock closing prices using historical OHLC and volume data.
- Canada Income Forecast: Forecasted income trends with linear and polynomial regression on historical data.

### Classification Projects

- Coronary Heart Disease Prediction: Estimated heart disease risk using Logistic Regression on age-based data.
- Iris Classification (SVM): Classified Iris species using SVM with visualized decision boundaries.
- Spam Detection (Ensemble): Detected spam emails using Random Forest and AdaBoost with 91%+ accuracy.
- Fake News Detection: Used Linear SVM with TF-IDF to classify news articles as fake or real.

### Computer Vision Projects

- Lip Shade Detector: Detected lipstick color in real-time using OpenCV, MediaPipe, and color clustering.
- Hand Tracking App: Tracked and annotated real-time hand landmarks using MediaPipe and OpenCV.
- Image Detection App: Performed object/feature detection on uploaded images using ML and OpenCV.

## CERTIFICATIONS AND WORKSHOPS

### Certifications

FreeCodeCamp (Python, ML) • LinkedIn (ML Foundations) • Skillsoft (ML Intro) • Infosys (ML, AI, AWS DGL)  
E-Academy (Data Viz) • Codemy (Pandas, NumPy)

### Workshops & Events

IIT Kharagpur (VR Interiors) • Events: IIT Delhi, IIT Bombay, IIT Kharagpur, CUSAT