

GOPAL E

PYTHON DEVELOPER

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KEY

Experienced Python Developer with strong skills in building web applications, machine learning workflows and model deployment. Capable of writing clean, efficient, and maintainable code. Quick learner with a passion for problem-solving and continuous improvement.

EDUCATION

Bachelor of Computer Science

ST. THOMAS COLLEGE OF ARTS AND SCIENCE CHENNAI—2020 - 2023

WORK EXPERIENCE

Trios Technologies Private Limited 2023 - 2025

Python Developer (ML/AI/Deep Learning)

- Designed and deployed end-to-end ML/AI solutions for business and research applications.
- Built and optimized models for classification, regression, clustering, and recommendations using Scikit-learn, TensorFlow, PyTorch.
- Managed large-scale datasets: cleaning, feature engineering, and training for high-performing models.
- Integrated ML models into production environments with cross-functional team collaboration.
- Automated workflows and pipelines using JupyterLab and Python IDLE, improving experimentation speed.
- Conducted model evaluation, hyperparameter tuning, and error analysis for performance optimization.

SKILLS

Programming Languages Python, JavaScript, HTML, CSS

Frameworks & Libraries Flask, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, NLP

Tools Visual Studio Code, JupyterLab, Python IDLE

Database SQL Lite3

PROJECT

E-commerce Platform with ML-based Review System

- **User Features:** View/search products, add to cart, checkout, leave reviews, receive updates.
- **Seller Features:** Upload/manage products, manage orders, receive notifications on negative reviews.
- **Machine Learning Integration:**
 - Used NLP and Random Forest to analyze user reviews.
 - Identified and flagged negative reviews to sellers.
- **Tech Stack:**
 - **Frontend:** HTML, CSS, JavaScript
 - **Backend:** Python (Flask)
 - **Database:** SQL
 - **ML:** NLP, Random Forest Classifier
- **Benefits:** Improved user experience via personalization; sellers get direct review insights.