

# Sandra G

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## EDUCATION

### Mar Athanasius College Of Engineering

*Master Of Computer Applications*

Kothamangalam, Kerala

*Oct. 2022 – Sept. 2024*

### Sree Narayana Guru College

*Bachelors Of Science, Mathematics*

Cherthala, Kerala

*July. 2018 – Aug. 2021*

## EXPERIENCE

### Software Developer Intern

*Stealth Company*

June 2024 – 2024

*Remote*

- Developed a REST API using FastAPI and PostgreSQL to store data and serve frontend application
- Collaborated with senior developers using GitHub collaboration for rapid development and bug fixes

## PROJECTS

### Stock Market Prediction Using ML | *Python, Flask, React, MySQL, Tensorflow*

- \* Developed an innovative web-based application for predicting future stock prices using Multiple Linear Regression, overcoming the challenges of market volatility.
- \* By fetching real-time data from Yahoo Finance, users can input stock codes to receive accurate closing value projections.

### Infant Cry Classifier | *FastAPI, Bootstrap, Pandas*

- \* The Infant Cry Classification system uses Mel-frequency cepstral coefficients (MFCC) and machine learning algorithms like KNN, SVM, and RF to classify infant cries into categories such as tiredness, hunger, discomfort, belly pain, or the need to burp.
- \* This technology helps caregivers understand and respond to an infant's needs more effectively, reducing stress and improving caregiving.
- \* By enhancing the caregiving experience, this system highlights the potential of machine learning to improve health and quality of life

## CERTIFICATIONS

**FastAPI - The Complete Course 2024 (Beginner + Advanced)** | *Udemy*

*E – Certificate*

**The Joy of Computing Using Python** | *NPTEL*

*E – Certificate*

**Database Management System** | *NPTEL*

*E – Certificate*

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

**Frameworks:** React, Flask, Pytest, FastAPI

**Developer Tools:** Git, Docker, VS Code, PyCharm

**Libraries:** pandas, NumPy