# Karen Bender

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## **EDUCATION**

## **Molina-Castaneda University**

South Jeffrey, NM

B.E in Software Engineering

2019 - 2022 / GPA: 3.96 Dean-s List - Fall (2021)

Relevant Coursework: Python, HTML/CSS, Spring Boot, React, C++

#### **Medina-Navarro School**

Calhounside, India

Grade 12(CBSE) - Year of Completion (2015) - GPA 3.6 Grade 10(CBSE) - Year of Completion (2014) - GPA 3.4

#### **EXPERIENCE**

#### **Frontend Developer**

Jun 2023 - Aug 2025

Reyes Group

Created and maintained a scalable chatbot system using LangChain and pgvector. Integrated the chatbot with a product FAQ database and fine-tuned the retrieval system using semantic search.

#### **Full Stack Developer**

Jun 2023 - Aug 2025

Gomez and Sons

Created and maintained a scalable chatbot system using LangChain and pgvector. Integrated the chatbot with a product FAQ database and fine-tuned the retrieval system using semantic search.

## Frontend Developer

May 2024 - Sep 2024

Ramirez-Stephenson

Redesigned the UI of a legacy application using React and Tailwind CSS, improving usability and accessibility. Conducted A/B testing and user feedback sessions, resulting in a 25% increase in user engagement metrics.

#### SKILLS

C++, React, Spring Boot, Flask, PostgreSQL

#### **PROJECTS**

- Engineered a facial recognition-based attendance system using OpenCV and Python, with attendance data logged in a MySQL database. Also developed a GUI using Tkinter for admin operations and reports.
- Created a responsive personal finance tracker web app using Flask and Chart.js. Users can categorize expenses, generate monthly reports, and visualize spending trends with dynamic charts.

- Built a real-time chat application using React, Node.js, and WebSocket that supports private messaging, typing indicators, and emoji reactions. Deployed the app on Vercel with authentication handled by Firebase.