Vennisa Barfi
Software Engineer

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Professional Experience

Software Engineer | Freelance
Cincinnati, OH | March 2024 – Present

- **Client 1**: Developed a nonprofit directory with a **custom vector database** and advanced search, boosting user engagement by 40%.
  - Created a **Golang/PostgreSQL backend** for resource management, reducing retrieval times by 35%.
  - Built a **responsive React frontend**, improving user interactions by **25%.**
  - Collaborated with stakeholders to align technical solutions with organizational goals.

- **Client 2**: Delivered a **Customer Feedback Management System**, enabling real-time analysis of customer sentiment.
  - Designed a **Flask backend with AI-powered sentiment analysis**, achieving **90% accuracy** in feedback classification.
  - Built an admin dashboard with **React**, visualizing feedback trends using **dynamic graphs.**
  - Ensured scalability through **optimized PostgreSQL queries** and modular backend architecture.

Software Engineer at NKENNE
Cincinnati, OH | May 2022 – March 2024

- **Built backend features** for a language learning platform using Golang, Node.js, and Python.
- **Boosted API performance by 13%** with microservice architecture integration.
- **Improved database efficiency by 10%** through caching and connection pooling strategies.
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Technical Skills
- **Languages** : Python, Golang, JavaScript, HTML, CSS, SQL
- **Frameworks** : React, Node.js, Flask, Gin, TailwindCSS
- **Cloud/Tools:** Google Cloud, AWS, PostgreSQL, MySQL, Git

Education
Bachelor of Science in Physics
Grand Rapids, MI
Calvin University