

Aman Papaney

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Summary

Python Developer | Focused on building high-performance applications using Python, Streamlit, and Flask . Experienced in WebSockets for real-time systems and PostgreSQL/MySQL for data management. Proven ability to deploy scalable, cloud-based solutions with optimized backend performance.

Skills

Languages: Python, JavaScript, HTML / CSS

Frameworks: Streamlit, Node.js

Databases: MySQL, MongoDB

Tools & Technologies: Git, VS Code, Postman, Jupyter Notebook

Data Structures and Algorithms

Projects

Conceptify - Study Concept Visualizer | Python, Streamlit, Bria.ai | [Live](#) | [Code](#)

- Developed a cloud-deployed educational platform using Python and **Streamlit** to visualize complex concepts via **Bria.ai API** integration.
- Enabled real-time generation of **customized learning visuals** based on user inputs through a **clean and minimal UI** allowing easy sharing of generated **concept diagrams and graphics**.
- Deployed the app on **Streamlit Cloud** with **dependency management** and **error handling** for smooth user experience.

QuickChat - A Live chat Application | Python, Web socket | [Live](#) | [Code](#)

- Built a real-time Flask + Socket.IO chat application supporting **50+ concurrent users** and over 1,000 messages per test run with no critical errors.
- Implemented efficient broadcast and connection handling, keeping server **CPU usage under 60% and memory within 200–300 MB** during simulated high-traffic tests.
- Designed a clean, responsive chat UI that loads in under 1.5 seconds on typical broadband and renders **new messages in under 100ms** in browser profiling.
- Configured CORS and WebSocket settings to achieve a 100% connection success rate across major browsers (Chrome, Edge, Firefox) in manual test runs.

Expensely - Your Finance Tracker | Python, Telegram API | [Live](#) | [Code](#)

- Engineered as a Telegram bot, Expensely enables users to log expenses in under 5 seconds.
- Implemented using Python, leveraging **Telegram API** and includes PostgreSQL for storage and **visualizing data** across 10+ categories.
- Designed to reduce app-switching by 100%, utilizing Telegram for seamless, real-time personal finance management.

Education

ABES Institute Of Technology

2021 – 2025

- B. Tech. in Computer Science Engineering

Vivekanand International Sr. Sec. School, Delhi

2020 – 2021

- Intermediate Education