

# Aman Papaney

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## Summary

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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

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**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

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**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

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**ABES Institute Of Technology**

2021 – 2025

- B. Tech. in Computer Science Engineering

**Vivekanand International Sr. Sec. School, Delhi**

2020 – 2021

- Intermediate Education