

# Aman Srivastava

[amansrivstv@gmail.com](mailto:amansrivstv@gmail.com) | [badwithdates.fly.dev/about](https://badwithdates.fly.dev/about) | [linkedin.com/in/amansrivstv](https://linkedin.com/in/amansrivstv)

## Skills

---

**Languages:** Python, Java, C, Elixir, SQL, NoSQL, Bash

**Frameworks:** FastAPI, Django, Phoenix, Spring

**Tools/Technologies:** Kafka, Redis, PostgreSQL, MongoDB, Docker, k8s, Git

## Experience

---

**Software Development Engineer II**, Credgenics – Noida, U.P. April 2023 - May 2024

- Collaborated in a small team to build an in-house calling service using FastAPI, Kafka, Redis, and Asterisk in a horizontally scalable, event-driven microservices architecture.
- Developed advanced calling features such as predictive dialing, conferencing, call transfers, and merges.
- Helped design a robust system architecture and ensured it could easily support 50M+ calls monthly through scalable backend development and efficient deployment strategies.

**Associate Software Engineer**, Credgenics – Noida, U.P. July 2022 - March 2023

- Re-architected core microservices to improve speed, scalability, and fault tolerance; implemented Kafka consumers with multiprocessing and graceful shutdowns to enhance system reliability and resource management.
- Built real-time user metrics dashboards for calling agents, enabling better performance tracking and operational visibility across the platform.

**Backend Technology Intern**, Credgenics – Noida, U.P. January 2022 - June 2022

- Integrated external calling vendor into the platform using RESTful APIs, enabling seamless call operations within the Credgenics ecosystem; developed backend APIs for the calling vertical as part of an agile team, contributing to faster feature delivery and improved platform functionality.

## Projects

---

**Bad With Dates Website** [badwithdates.fly.dev](https://badwithdates.fly.dev)

- Built a full-stack event reminder web app using Phoenix (Elixir) and PostgreSQL, designed to help users track birthdays, anniversaries, and other recurring events with integrated email notifications and responsive calendar UI.
- Implemented features like user accounts, event management, calendar view, and mobile device friendly UI, with automated yearly email reminders sent a week and a day before each event.

**Realtime Insect Detection Mobile Application** [github.com/amansrivstv/flutter-object-detection](https://github.com/amansrivstv/flutter-object-detection)

- Developed a 34 MB offline pest detection mobile app using Flutter and TensorFlow Lite, enabling real-time pest localization via smartphone cameras for IGKV's farming community, with no internet dependency.
- Trained and quantized a custom YOLO Lite model on IGKV's labeled dataset, achieving over 95% average detection accuracy with real-time on-device inference, optimized for low-end Android devices.
- Designed a clean, modular UI and integrated remedy suggestions, focusing on usability for non-technical users in rural areas and ensuring consistent performance across devices.

**CSGO Stats Twitter(X) Bot** [github.com/amansrivstv/csgo-twitter-bot](https://github.com/amansrivstv/csgo-twitter-bot)

- Created a CS:GO match stats bot for Twitter (X) as a fun personal project, using Python, Selenium, and Tweepy to auto-tweet my in-game performance after each match.
- Deployed on Heroku for 24/7 automation and hands-free stat sharing.

## Education

---

**Dr. SPM IIIT - Naya Raipur, CH** – B. Tech in Computer Science Engineering (8.64 CGPA) June 2022

**DAV Public School, Kota, RJ** – CBSE SSCE Class 12 (90.7 %) 2017

**St. Joseph's School, Rihandnagar, UP** – CBSE SSE Class 10 (9.0 CGPA) 2015