

# Dev Aggarwal

dev@goeey.ai  
+91 87640 22384  
Bangalore, India

[github.com/devxpy](https://github.com/devxpy)  
[linkedin.com/in/devxpy](https://linkedin.com/in/devxpy)  
[dara.network/dev](https://dara.network/dev)

**Startup Founder • Full-Stack Developer • AI Enthusiast**

## **Goeey.AI** 2023 - Present

### *Tech Founder*

- Launched an AI platform in just 3 months using python & streamlit, with 10s of AI recipes featuring the newest stable diffusion models, openai APIs, face recognition models etc.
- Scaled a fully self-hosted GPU infra & API platform to support 5000 API calls/day. Designed a custom memory management scheme that allowed us to deploy many models on a single GPU and still have a cold start inference time on the order of milliseconds.
- Collaborated with B2B customers to deliver personalized AI solutions, including [Jhatkaa.org](https://jhatkaa.org), [loud.us](https://loud.us), and more.

## **Dara.network** 2020 - Present

### *Tech Founder*

- Built an ad-free alternative to Slack, WhatsApp, LinkedIn & Discord for social change makers and artists, from scratch in Django & NodeJS, supporting iOS, Android & Web from a single Flutter codebase.
- Scaled the software platform to support 5000 users, 80k messages, \$100k in ad-free revenue, and 50 partner institutions including the renowned German Goethe Instituts and the British Council.
- Engineered a battle-tested notification delivery system which led to a 60% month-on-month retention of users on Dara.
- Built the initial prototypes that led to a Techstars seed round of \$120k, and a total of \$400k in funding from Blume, J4 & other Angels later.

## **The School of AI** 2019

### *External Internship Program*

- Passed a 5 session training program on Deep learning for computer vision, including a final project where I trained a multi-task image classification model in Keras on a custom dataset hand labelled by all participants.
- Received personal testimonial from instructor - "Good job Dev! Really like the way you are helping out people! Keep it up 👍"
- Was one of the very first people to get access to the GPT-3 APIs, which later led me to the creation of [RadBots](https://radbots.com) - a collection of interactive video bots created by renowned authors and playwrights that was featured at the Science Gallery in London.

## **IoTReady**

2019

### *Freelance developer*

- Wrote composable app “modules”, which were used to inject a specific piece of functionality into multiple white-labelled flutter apps for B2B clients, such as [ANS technologies](#).
- Included modules -
  - Authentication via AWS Cognito
  - Pub/Sub messaging for controlling hardware via AWS IoT
  - Configuring WiFi access points on hardware devices via Gecko OS HTTP APIs
  - Searching and connecting to the hardware device from the app.

## **Jaaga Labs**

2018

### *Freelance developer for Joovv*

- Built a cloud-connected companion app in flutter for an ESP32 micro-controller-based red light therapy device.
- Designed a space-efficient data interchange wire protocol for communication between ESP-32 and the mobile app over Bluetooth.
- [flutter-rx-ble](#) - Built and released a Bluetooth library for flutter. This was more reliable and faster than other libraries available for flutter at the time.

### *Freelance developer for Meghshala*

- Worked with an NGO to develop a Flutter app for elementary schools in rural India, used by tens of thousands of students with limited internet access and 50\$ smartphones to access exceptional study material.
- Configured the backend for content delivery on AWS services, viz. DynamoDB, Cognito, AppSync. Also wrote flutter libraries for these services.
- [network\\_file](#) - Built and released a peer-to-peer networking library that proved essential for students and teachers with limited internet access to share lessons with each other.

## **Make Academy**

2017

### *Tech Founder*

- Built a CBT (Computer based testing) platform for IIT-JEE and NEET aspirants from scratch in Django and HTML/CSS/JS.
- Engineered an image resizing algorithm which helped migrate 1000s of scanned question papers to an admin dashboard for teachers.
- Installed make academy as a SASS platform for 10 institutes used by 100s of students to access practice quizzes, scores and performance breakdowns visualized using Chart.js
- Designed a multi-tenant database schema using Postgres which allowed us to deliver a white-labelled product to multiple institutes from the same server instance reducing operating costs by 10x
- [flutter\\_pdf\\_viewer](#) - Built and released one of the very first performant PDF libraries for flutter, used to display encrypted lessons and embedded videos in a white-labelled app by institutions.

## Projects

---

- Built a chatbot which won **2nd Prize** at a Hackathon hosted by **General Electric** (2018).
- Published over 30 open-source repositories, scoring ~**800 Github stars** in total.
- **Suchak** - Fast technical indicators library written in numba. I used it to deploy stock market trading algorithms that yielded ~100% returns per month in backtesting.
- **Oscilloscope** - A tool for visualizing real-time data, built on top of matplotlib.
- **Music playing glove** - Built a contraption using ESP8266 and magnetometers to simulate a digital theremin.
- **ZProc** - Experimental multi-tasking framework for python.
- 7,000 points on **stack overflow** :)

## Education

---

- Sir MVIT, Bangalore (2017 - 2021)  
*Bachelor of Computer Science And Engineering*
- DAV Public School, Kota, Rajasthan (2015 - 2017)  
*Physics, Chemistry, Mathematics & Computer Science*
- Saint Paul's Sr. Sec. School Mala Road, Kota, Rajasthan (2006 - 2015)