

# Swarnava Ghosh

A Software Engineering enthusiast, excited to make valuable contributions towards building software at scale, while appreciating the necessity of collaboration, communication and constructive brainstorming.

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## EXPERIENCE

### Fleapo Co. — *Freelance Automation API Developer*

Kolkata, India (Remote) | JULY 2021 – PRESENT

- Implemented a distributed job scheduler using **Python** and **Celery** with **Redis** and **FastAPI**, as a part of an automation workflow.
- Rendering **Blender** animations from API calls and uploading outputs to **AWS S3**.
- Ubuntu and Windows Server admin, deployment, documentation and debugging.
- Project: **scentcraft.com**

### PhotoSceneThesis Media Group — *Freelance Web Developer*

Kolkata, India (Remote) | SEPTEMBER 2019 – JULY 2020

- Developed and deployed **5 LAMP stack** and **2 WordPress websites** in a team of 2.
- Server management and production bug fixing.
- Requirements analysis and client relations. Logo and poster design.

## EDUCATION

### Christ University — *MSc, Computer Science*

MAY 2020 – PRESENT | **CGPA: 9.15/10**

**Relevant Courses:** Python, Unix System Programming in C, OOP with Java, NoSQL – MongoDB, Cassandra, Neo4J, Redis, Android, Web Services – REST and SOAP.

### Christ University — *BSc, Computer Science, Mathematics, Statistics*

MAY 2017 – MAY 2020 | **CGPA: 9.44/10**

### Calcutta Boys' School — *ISC (Science), ICSE*

APRIL 2004 – APRIL 2017 | **ISC: 86.25%** | **ICSE: 91.8%**

## PROJECTS

### Courseman — *A Personalised Learning System*

**FULL STACK DEVELOPMENT** | JULY 2021 – PRESENT

- SOA System Design, JWT Auth, Converting Wireframes to Code, Bitbucket Administration, Code Reviews, Merging PRs, Documentation.  
**JavaScript** | **React.js** | **Redux** | **Express.js** | **Python** | **BeautifulSoup** | **FastAPI** | **MongoDB** | **Bitbucket**

### Journo — *An Anonymous Journaling cum Social Network Application*

**FULL STACK DEVELOPMENT** | JANUARY 2021 – MAY 2021

- Development, System Design, 3NF DB Design, Documentation.
- One-to-one Anonymous Chat, Anonymous Posts, Notifications, Like, Follow.  
**Python** | **Flask** | **Flask-SocketIO** | **SocketIO.js** | **PostgreSQL** | **HTML** | **CSS** | **Bootstrap** | **JavaScript**

### Dotadoodle — *An Online Magazine*

**FULL STACK DEVELOPMENT – TECHNICAL CO-FOUNDER** | JUNE 2020 – PRESENT

- Design, Development, Production Deployment. Site migration from Angular to server-rendered Express.js site for SEO, NGINX reverse proxy, SSL configuration.  
**JavaScript** | **Express.js** | **Firebase** | **AWS EC2** | **NGINX** | **HTML** | **CSS** | **Angular**

## SKILLS

### Languages

Python, JavaScript, Java, C, HTML, CSS, Bash, C++

### Frameworks & Libraries

Flask, Express, FastAPI, Celery, React.js, jQuery

### Databases

MySQL, PostgreSQL, Firebase, MongoDB, Redis

### Tools & Technologies

Git, SSH, Unix / Linux, GCP, AWS

### Domains & Concepts

Web Development, REST, MVC, SOA, Database Normalisation, Automation, Web Scraping, Web Sockets

## ACTIVITIES & ACHIEVEMENTS

### Member of Placements

**Committee** – Mentored peers and led multiple training sessions for technical rounds and coding interviews.

**1st in Coding and Debugging event** of Gateways 2020, Annual Tech fest, Dept. of Computer Science, CHRIST.

**A+ grade in Basics of Python Workshop** conducted by IIT Bombay, as a part of the FOSSEE Project, Government of India.

**Volunteer, Pratham Education Foundation** – *Technical Translator* – Translating the Scratch Programming interface to Bengali in collaboration with MIT Labs.