

# Arkapravo Das     Software Engineer

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## 👤 Profile

Motivated Software Engineer with over 8 years of coding experience and over 2 years of professional experience. I'm used to solving complex problems with limited time and resources, and a great team player

## 🧰 Professional Experience

**SalesUp Inc., Product Engineer** 📍 **10/2023 - 07/2024** | Kolkata  
**Extensively used Javascript and TypeScript through NodeJS, React, Nextjs, PostgreSQL, Redis, Bull Queue etc.**  
- Created a lead generator frontend  
- Created custom oidc/oauth server for custom auth requirements  
- Created a Chatgpt plugin integrating with existing backend

### HuEx Labs 📍

*ML/Solutions Engineer* **10/2022 - 08/2023**  
Toronto (remote)  
**Used then cutting edge, different llms through huggingface and/or pytorch, on novel projects**  
- Helped creating drive-thru automation using whisper ASR  
- Created Google Maps review-manage-respond automation Pipeline


*Software Engineer Intern* **08/2022 - 10/2022**  
Toronto (remote)  
**Delivered ~ 400% speedup in project completion using python and Whisper ASR, and I was hired as ML/Solutions Engineer**  
- transcribed over 800 hours of audio in a weekend, to further create the finetuning dataset

## 🎓 Education

**BS in Data Science and Applications,** **2022 - present** | Chennai  
**IIT Madras** 📍  
Allows me to learn in depth Classical Machine Learning and Deep Learning, while pursuing my SDE carrer | CGPA: 7.8

**Secondary and Higher Secondary,**

2008 - 2020 | Rahara

Ramakrishna Misson 


Secondary: 94% | Higher Secondary: 85%

## Projects

### Cloudflare dynamic proxy

- it intercepts the get requests, clones the original request, header body, creates and returns the modified response body - thus working as a proxy

### CSRankings scrape QA


- it scrapes the CSRanking Site  for top-n unis
- then it goes through each uni's different official sites, and scrapes all available exam questions, and respective solutions and builds a database

### Transformer model from scratch

- proof of concept implementation of the transformer cross-encoding model for getting semantic similarity between documents

### Movies cli

- it scrapes publicly available sites, and plays media from command line
- can search any movie, anime, tv-series, and play with the media player (like VLC) of users' choice

Check out rest of my projects. . . 

## Skills

### Web Development ● ● ● ● ●

NodeJs, ExpressJs, Flask (python)  
ReactJs, NextJs, REST API, Sockets

### Database management ● ● ● ● ●

MongoDB, Redis, PostgreSQL, SQL  
Commands

### Automation & DevOps ● ● ● ● ●

Git, GitHub, Jest, Docker,  
Kubernetes, GitHub Actions, AWS,  
Cloudflare

### Python and ML ● ● ● ● ●

pandas, numpy, pytorch, matplotlib,  
Hugginface

## Declaration

I hereby declare that the essentials given above are accurate and correct to the best of my knowledge and faith.



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**Arkapravo Das**  
Kolkata, 23 Aug, 2024