

# Sandarva Paudel

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## Objective

I want to create something useful. And solve problems using codes and maths and algorithms.

## Technical Skills

### -Programming Languages:

- Python
- Javascript
- C

### -Tools and Frameworks:

- Django
- Bootstrap
- Redis
- PostgreSQL
- SQLite
- Django Channels
- FFmpeg
- JQuery
- Tkinter

## Experience:

### -Manager Assistant at Siddhartha Corporate(3 months)[2019 may-july]:

- Stepped in for the ailing regular manager in a rural setting to manage customer accounts and handle financial transactions online.

### -Translator/Supervisor at Local Hatchery(2 months)[2019 oct-Nov]:

- Coordinated between a foreign engineer and local laborers for renovation projects in a factory, bridging language gaps and supervising works.

### -Participant in Nepal's Military Technology Program[2020, Feb-March]:

- Collaboratively designed a specialized drone equipped with tear gas deployment, rope handling systems, and thermal sensors. Although the program was canceled due to the pandemic and lockdown, the experience was invaluable.

## Education:

- **Oxford College Of Engineering And Management:**  
High School [July 2019 - Dec 2021]
- **Nepal College of Information Technology:**  
Bachelor's of Software Engineering[2023-2027]

## Projects

### 1)BoardSphere:

- Purpose: Real-time group chat application with topic-based boards.
- Technologies: Python, Javascript, Django, PostgreSQL, Redis, Websockets, Django-Channels

### 2)Project Pencil:

- Purpose: Utility tool for file conversion, image compression, and YouTube video/audio downloading.
- Technologies: Python, Django, BeautifulSoup, FFmpeg, PyMuPDF, yt-dlp, AJAX

### 3)Ecom:

- Purpose: E-commerce platform offering account-less ordering with quick form-based checkout.
- Technologies: Python, Javascript, Django, Bootstrap, Pillow, AJAX

### 4)Cash-Flow Monitor:

- Purpose: Personal financial tracking tool.
- Technologies: Python, Javascript, Django, Django REST Framework, Django-Allauth

### 5)Blog Site:

- Purpose: A blog site with user authentication and image upload & editing features.
- Technologies: Python, Javascript, Django, Bootstrap, Unicorn, Pillow

### 6)Epro:

- Purpose: Inspired by WWII's Enigma code, Epro encrypts and decrypts text.
- Technologies: Python, Django

## INTERESTS

- Science and Technology
- Software Engineering
- Data Structure and Algorithms.
- Programming Languages: Rust, Python, Javascript, C
- Arts and Designs(Particularly Paintings and Architecture)