

Bali Babu Chauhan

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Github: www.github.com/balibabu

Education

B.Tech Computer Science Institute of Technical Education and Research Bhubaneswar Odisha	2019 - 2023
+2 Science Kanchanjunga English Secondary School Ramtole Birgunj	2018 - 2019
10 Secondary Education Examination Alpine English Boarding School Tejarathtole Birgunj	2017

Personal Projects

Title: ReactDjango Project **November 2023 - April 2024**

Description: This is a web app made with React and Django. It consists of multiple apps like file-share, unlimited cloud storage, Blog app, notepad, todo, games and more.

Key Tech: React, Django, Bootstrap, pygithub

Active Webapp Link: <https://balibabu.github.io/myapp>

Source Code on Github:

Frontend: <https://github.com/balibabu/myapp>

Backend: <https://github.com/balibabu/server2>

Title: File Share Desktop App **June 2024**

Description: This app will help you to transfer files from computer to phone or vice-versa. Both computer and phone should be connected to the same network. After opening the app, it will ask you to provide the folder path, then it will show a qr code which will be scanned by the phone. After that phone can download the file from that allowed folder and can put a file inside the folder.

Key Tech: Python flask, pytoexe

Github Link: [fileshare](#)

Title: Custom CCTV **July 2024**

Description: This project has two types of cctv. They are:

1. Online cctv: In this one, we need a good internet connection. The phone will capture low resolution video (640p). Every 3 seconds of video is sent to a server. The server then compresses the received video chunk with ffmpeg by removing the duplicate frames. For eg: if there is no movement in the video then 3 seconds of video frames will be compressed into a single frame.
2. Offline cctv: This doesn't require internet connection but requires two phones. The first phone will act as a server which will be run through *Termux* and the second phone will capture video and also provide a hotspot for creating a local network. Here we don't need to compress the video.

Key Tech: Python flask, react, ffmpeg

Title: Sudoku Solver **September 2022**

Description: we can either provide input as a 2d list or path of image. It prints the solved answer or shows the output image accordingly.

Key Tech: Python, OpenCV, Numpy

Github Link: [Sudoku](#)

College Projects

Title: Banking Management System

Semester - 6

Description: Its menu driven program, where we can add customers, deposit, withdraw money and others.

Key Tech: Java, DBMS

Github Link: [DBMS project](#)

Title: Steganography

Semester - 6

Description: In this project, we can hide messages inside the image without any significant change in the image. Also we can extract the hidden message from the image.

Key Tech: Python, OpenCV, Numpy

Experience

Intern at Cognizant

Sep 2022 - Feb 2023

During my internship, I learned React, Bootstrap, Spring Boot, and more through structured training. Although I didn't work on projects, I tackled challenges on the intern portal, completing tasks within set deadlines. I was also awarded with a certificate for completing the questions on that portal in time. You can check it [here](#). Later I received LOI, but due to some document problems, I was not able to accept it.

Freelance Software Developer

Aug 2023 - July 2024

I was working with a client who was exploring various ideas, which required me to work across different fields, such as creating apps in Jupyter Notebook, ReactJS, and React Native. I also learned about game engines like Unreal Engine, Unity, and Godot. I designed some application UIs in Figma and developed them in React with Tailwind CSS. Additionally, I worked on the backend using Django Rest Framework and have a solid understanding of DBMS.

Technical Skills

Languages: Proficient in Python, Java, ReactJs, MySQL. Familiar with C, C++, Javascript, Tailwind, Redux

Web Technologies: HTML, CSS, JS, Bootstrap,

Libraries: Django, OpenCV, PyAutoGUI,

Others: : Problem solving, Data structures and algorithms

Awards and Honors

COMPEX Scholarship

2019

Mahatma Gandhi Scholarship

2017