








Arpanendu Khag

Enthusiast Learner |  [Portfolio](#)  |  [github/ArpanenduKhag](#) 

I solve problems in creative ways. At BCREC where I am going through my 3rd year of Computer Science Engineering, I have learned the importance of applying classical strategies to modern-day projects.

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-  [Hackerrank](#) 

Experience

Research Paper on CT Scanning to Detect IDLs

Programmer I 2022 – Present

- Using Deep Learning and **ResNet-50** Model

COE Program - CELEBAL TECHNOLOGIES

Data Engineer Intern I MAY 2024 - Present

- Data Engineering Traniee

GDG Durgapur

Team Lead I SEPT 2022 - Present

- Indulged as Graphics Team Lead and Web Developer

Student Enrichment Program - COGNIZANT

Team Leader I APR 2023 - MAY 2024

- Lead of Blockchain and Member of Hackathon Team

Education

Dr. B.C. Engineering College - B.Tech CSE

2021 - Present



D.A.V Public School, ECL Pandaveswar- XIIth (PCM)

2019 - 2021

D.A.V Public School, Dubrajpur - Xth

2007 - 2019

Achievements & Certificates

- #2 at Arohan (2023): NIT DGP
- #2 at INNO VENTURE EXPO (2024): CSI-BCREC
- [Python \(Basic\)HackerRank Certificate](#) 
- [SQL \(Basic & Intermediate\) HackerRank Certificate](#) 
- 5★Hackerrank(Python)
- 5★Hackerrank(C)
- 5★Hackerrank (Problem Solving)

Projects

Doctor AI - Healthcare Chatbot

– A Virtual Assistant Ai chatbot for Medical assistance

– **Tools Used:** Flask, NLTK, Numpy, tensorflow, pyttsx3, speech_recognition, googletrans.

Sanket - The Voice of Unheard

– Real-time sign language gesture detection and translation

– **Tools Used:** NextJs, TfJs, Teachable Machine

Air Hockey

– A dynamic Air Hockey game

– **Tools Used:** Python, Tkinter for GUI development

Technical Skills

Programming Language

Python	C
Java	NodeJs

Development

HTML	PHP
CSS/SCSS	ReactJs
JavaScript	TfJs

Database

MySQL	MongoDB
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Tools

Github	Figma
VS Code	Canva
Google Collab	

Project Management

Waterfall Model	Prototype Model
SDLC	

Communication & Collaboration Tools

Slack	Microsoft Teams
Zoom	

Key Strengths

Technical Proficiency

Collaborative Team Player

Problem Solving Skills

Attention to Details