

# Biswajit Rout

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Bhubaneswar, Odisha



## PROFILE

A passionate and driven Computer Science student with a strong foundation in Python programming and cloud computing. Alongside a solid technical background, possesses a creative flair as a freelance graphic designer, blending technical expertise with an eye for design. Known for a proactive approach to problem-solving, a keen interest in innovative technologies, and the ability to adapt quickly to new challenges. Eager to apply a diverse skill set in dynamic projects that merge programming, cloud infrastructure, and design.

## PROJECTS

### Pneumonia Detection using Explainable AI

Built a deep learning model for automated pneumonia detection from chest CT scan images using CNNs, achieving high accuracy. Integrated Explainable AI tools like SHAP and LIME to highlight critical areas influencing predictions, enhancing transparency and trust in the model's decisions. Demonstrated skills in Python, TensorFlow, and machine learning, focusing on interpretable AI solutions for healthcare diagnostics.

### Smart Doorbell System

Engineered a smart doorbell system using Raspberry Pi 3B with MicroPython, enabling real-time video calling between the host and the guest. The system features a camera module for live video streaming and uses Gmail for instant notifications. Demonstrated proficiency in IoT, video streaming, and Python, delivering a responsive and interactive smart home solution.

## PROFESSIONAL EXPERIENCE

### MEDIAMINT

August 24-Present

#### Interest- Intern

As an intern at Mediamint, I assisted in optimizing Pinterest ad accounts for clients, focusing on improving campaign performance and ROI. I analyzed ad metrics, identified trends, and collaborated on A/B testing to refine ad creatives and targeting. I managed multiple client accounts, ensuring smooth campaign execution, and provided insights and reports to support data-driven decision-making.

### SOA English Cafe

#### Designer- Collaborator

Collaborated with the SOA English Cafe to design and produce long-format videos and short-format content, including reels, aimed at enhancing the club's social media presence. Worked on creating engaging and visually appealing content to boost audience interaction and grow followers across various platforms. Contributed to content strategy and execution, aligning with the club's brand image while effectively increasing visibility and engagement on social media channels.

## EDUCATION & CERTIFICATIONS

### Bachelor of Technology

Computer Science Engineer  
Siksha 'O' Anusandhan 2020-2024

### Higher Secondary Education

KIIT International School 2018-2020

### Secondary Education

ODM Public School 2017-2018

## EXTRACURRICULAR ACTIVITIES

### Freelancer

Video Editor  
Graphic Designer

## LANGUAGES

English  
Hindi  
Odia