

KAUSHIK GHOSH

Computer Science Engineer

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Keonjhar, Odisha-758034



SUMMARY

Aspiring software engineer with hands-on experience in machine learning and digital image processing, gained through impactful projects and a Tata Steel internship. Leveraged R-CNN and YOLO to implement real-time analytics and automation systems. Skilled across full-stack development—Java, Python, C/C++, PHP, React, Node.js, and MySQL. Recognized for practical problem-solving, teamwork, and dedication to clean code. Seeking to contribute to forward-looking technology initiatives.

EXPERIENCE

Vocational Trainee- Automation Division

Tata Steel

05/2024 - 10/2024 Jamshedpur

A leading steel manufacturing company

- Developed a system to detect large boulders using IP cameras installed on shovels
- Enabled automated detection during dump loading using real-time image analytics
- Implemented alert system for operators to stop machines if oversized boulders are detected
- Technologies used: Digital Image Processing, Machine Learning, Artificial Intelligence, R-CNN, YOLO, Sensor Integration

EDUCATION

Bachelor's of Technology in Computer Science and Engineering (MAKAUT)

TECHNO INTERNATIONAL BATANAGAR (Affiliated to MAKAUT,WB)

05/2022 - 05/2026

All India Senior School Certificate Examination

St. Xavier's High School, Keonjhar (Affiliated to CBSE)

05/2020 - 05/2022

Indian Certificate of Secondary Education

St. Teresa's School, Joda (Affiliated to CISCE)

05/2008 - 05/2020

LANGUAGES

English

Proficient



Hindi

Proficient



Bengali

Native



Odia

Proficient



FIND ME ONLINE

https://kaushik3389.netlify.ap
p/
Kaushik Ghosh

SKILLS

C/C++	Clean Code	CSS	Git	GitHub
HTML	Java	JavaScript	MongoDB	
Next.js	Num.py	OOP	OpenCV	
PHP	Python	React	REST	SEO
SQL	Node.js			

PROJECTS

Online Classroom – Distance Learning Platform

Web-based classroom system

- Built a web-based classroom system enabling remote learning for students unable to attend in person, enhancing accessibility and flexibility
- Implemented secure login, dynamic scheduling, and interactive content delivery using PHP and MySQL
- Integrated live/recorded sessions, educational entertainment, and forums to boost engagement and learning outcomes
- Developed a responsive UI for seamless access across devices

Hospital Management System

System to manage patient data and streamline healthcare services

- Built a system to manage patient data, admissions, and treatment records
- Enabled doctors and families to securely access real-time patient information
- Designed role-based dashboards for staff, improving coordination and transparency

Speed Detection & Online Challan System

AI-based vehicle speed detection system

- Developed an AI-based system to detect vehicle speed violations and auto-generate challans
- Used image processing and OCR to extract vehicle numbers from CCTV footage
- Automated rule enforcement, improving accuracy and reducing manual monitoring effort

TRAINING / COURSES

Cloud Computing With DevOps