Gaurav Kumar Ray

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PROFILE

Passionate about web development, AI, and smart systems, skilled in machine learning-driven automation and software development.

EDUCATION

Gandhi Institute for technology Autonomous — *Bhubaneswar, India*

Bachelor of Engineering in Computer Science and Engineering — 2022 – 2026

- Among the top 5% of the batch

SKILLS

Technical: Python, java, AI Automation, Machine Learning, Web development

Tools: TensorFlow, Keras, OpenCV, NumPy, Pandas, NLP, GitHub, Jupyter Notebook, Excel

CERTIFICATIONS

- Introduction to Industry 4.0 and Industrial Internet of Things by NPTEL – Oct 2024 *(*https://archive.nptel.ac.in/content/noc/NOC24/SEM2/Ecertificates/106/noc24-cs95/Course/NPTEL24CS95S235010105904032749.pdf *)*
- Introduction to Cybersecurity by NIIT Foundation – Mar'25 *(*https://www.netacad.com/certificates?issuanceId=3bbf46b6-34f7-4e95-82e7-00e20ae7fbb2 *)*
- C++ certification by New Gurukul Computer Education, Hazaribagh.

EXPERIENCE

Central Tool Room & Training Centre (MSME) Government of India — *Bhubaneswar, India*

AI/ML Intern — 06/24 – 07/24

- Developed an autonomous driving system for a virtual car, enhancing real-time navigation.
- Gained expertise in ML/DL, data processing, and system optimization for self-driving applications.
- Improved model accuracy and efficiency while developing problem-solving, teamwork, and communication skills.

Glucian Pvt. Ltd. — *Bhubaneswar, India*

Java intern — 07/23 – 08/23

- Completed hands-on training in Java, focusing on object-oriented programming and application development.
- Worked on real-world projects, improving coding efficiency and debugging skills

PROJECTS

Autonomous Driving System — 07/24 – 07/24

- Problem & Solution: Built a gaming car for autonomous mode, improving driving behavior analysis.
- Tools Used: Python, OpenCV, ML/DL models, Sensor Integration.
- Impact: Enhanced system accuracy, real-time obstacle detection, and better operational efficiency.
  https://github.com/gkr-gaurav-roy/track

Face Recognition — 06/24 – 06/24

- Problem & Solution: Developed a face recognition system for real-time identity verification.
- Tools Used: Python, OpenCV, SVM, KNN, Naive Bayes, Decision Tree.

ACHIEVEMENTS

- Runner-up in Algoholic competition among 500+ participants – University of Delhi.