

DEEPSIKHA PATRA

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SUMMARY

Third-year B.Tech student in Computer Science Engineering specializing in AI and ML, demonstrating strong leadership and communication skills. Committed to applying technical knowledge in real-world projects and internships. Proven ability to innovate and create impactful content in technology-driven domains.

WORK EXPERIENCE

Intern , National Institute of Technology(Rourkela)

June 2025 - July 2025

Project Title: Real-Time Criminal Detection and Management System (CrimeSanket)

Technologies Used: Python, OpenCV, DeepFace, MySQL, Flask/Web

Summary:

Developed an AI-powered surveillance system capable of real-time criminal detection through face recognition using live video feeds. Integrated DeepFace with OpenCV for accurate facial analysis. The system automates alerts via email with live location tagging upon detection. A MySQL-backed database stores criminal profiles and logs, while a user-friendly website allows law enforcement to track, verify, and manage reports effectively.

Intern, Pinnacle Labs

July 2025 - Present

- **Autocorrect Web Tool** : Built a Flask-based web application using the pyspellchecker library to automatically detect and correct spelling errors in user input. Designed a simple and interactive interface for real-time text correction and enhanced user experience.
- Developed a **cross-platform desktop language translator** using Electron, integrating a Python Flask backend with the Google Translate API. This full-stack application provides real-time text translation, featuring automatic source language detection and support for a diverse set of languages. The project demonstrates strong skills in multi-technology integration and desktop application development.

EDUCATION

Higher Secondary

May 2021 - May 2023

Doon International English medium school

Bachelor of Science in Computer Science Engineering

Aug 2023 - Aug 2027

C.V. Raman Global University

- Specializing in Artificial Intelligence and Machine Learning

ADDITIONAL INFORMATION

- **Technical Skills:** Python, Java, MySQL, C, HTML, CSS, VS Code, Oracle, Google Colab, Adobe Illustrator, Figma, Canva, and more
- **Languages:** Hindi, English, Odia
- **Certifications:** Certified UI/UX Designer by Qbit Code, IoT/AI/ML Certification by NIT Rourkela, Cyber Security Certification by Acmegrade
- **Awards/Activities:** Core member of the E-Cell (Entrepreneurship Cell), CGU; Content creator for E-Cell and NSS CGU; Class Representative for 2nd and 3rd year